PART A

IONOSPHERIC DATA

ISSUED
FEBRUARY 1963

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 222
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

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IONOSPHERIC DATA

CONTENTS

Unbacked copies of the graphs and charts printed in the F, Part A series, are available (beginning with the August 1962 issue) at the World Data Center A for Airglow and Ionosphere, National Bureau of Standards, Boulder, Colorado.

IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and dissemination of ionospheric and related geophysical data. While originally a by-product of the collection of data by the CRPL for use in radio propagation studies, the CRPL-F series bulletins, Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," have provided useful service by collecting and making available a wide variety of data in convenient form for use in research, not only on radio propagation and the ionosphere, but also on a wide variety of geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into median determination (count) for all ionospheric characteristics listed. Also, the upper and lower quartile values, indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods, which, by improving the speed and efficiency of preparation, permit earlier publication of the data.

Beginning with this issue, CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 are plotted by machine methods instead of manually, as heretofore. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. This change was necessary to provide space for the enlarged tables. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are still available from the CRPL and the IGY World Data Center A for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with original data. The tables and graphs now show the ionospheric data just as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data now rests entirely with the originator.

Gaps in the tables when data normally might be expected indicate the data were not provided by the originator. Following the recommendation of the World-Wide Soundings Committee, only values of median foEs are listed. In the few cases where fEs is still reported instead of foEs, the data will not be printed. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1961, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	9	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	48
1962	44	41	39	38	38	37	36					

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, FoE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE:

COMMONWEALTH OF AUSTRALIA, IONOSPHERIC PREDICTION SERVICE OF THE COMMONWEALTH OBSERVATORY.
- BRISBANE, AUSTRALIA
- TOWNSVILLE, AUSTRALIA

AUSTRALIAN DEPARTMENT OF NATIONAL DEVELOPMENT, BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS.
- PORT MORESBY, PAPUA

BELGIAN ROYAL METEOROLOGICAL INSTITUTE.
- DOURBES, BELGIUM

ELECTRONICS DIRECTORATE OF THE BRAZILIAN NAVY.
- NATAL, BRAZIL

ESCOLA POLITECNICA, UNIVERSITY OF SAO PAULO.
- SAO PAULO, BRAZIL

BRITISH DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RADIO RESEARCH BOARD.
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- RESOLUTE BAY, CANADA
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UNIVERSIDAD DE CONCEPCION.
- CONCEPCION, CHILE

DANISH NATIONAL COMMITTEE OF URSI.
- GODHAVN, GREENLAND

IONOSPHERIC RESEARCH GROUP (GRI), FRANCE.
- BANGUI, FRENCH EQUATORIAL AFRICA
- DJIBOUTI, FRENCH SOMALILAND
- PARIS, FRANCE
- POITIERS, FRANCE
- RABAT, MOROCCO
- TAHITI, SOCIETY IS.
- TAMANRASSET, ALGERIA
- TANANARIVE, MALAGASY REPUBLIC

HEINRICH HERTZ INSTITUTE, GERMAN ACADEMY OF SCIENCES, BERLIN, GERMANY.
JULIUSRUH/RUGEN, GERMANY

INSTITUTE FOR IONOSPHERIC RESEARCH, LINDAU UBER NORTHEIM, HANNOVER, GERMANY.
LINDAU/HARZ, GERMANY

IONOSPHERIC INSTITUTE, BREISACH, GERMANY.
FREIBURG, GERMANY

ICELANDIC POST AND TELEGRAPH ADMINISTRATION.
REYKJAVIK, ICELAND

INDIAN COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RADIO RESEARCH COMMITTEE, NEW DELHI, INDIA.
AHMEDABAD, INDIA
BOMBAY, INDIA
CALCUTTA, INDIA
DELHI, INDIA
KODAIKANAL, INDIA
MADRAS, INDIA
TIRUCHY, INDIA
TRIVANDRUM, INDIA

NATIONAL INSTITUTE OF GEOPHYSICS, CITY UNIVERSITY, ROME, ITALY.
ROME, ITALY

METEOROLOGICAL SERVICE, PROVINCE OF MACAU, ASIA.
MACAU

RESEARCH INSTITUTE OF NATIONAL DEFENCE, STOCKHOLM, SWEDEN.
UPPSALA, SWEDEN

UNITED STATES ARMY SIGNAL CORPS, UNITED STATES OF AMERICA
ADAK, ALASKA
GRAND BAHAMA I.
WHITE SANDS, NEW MEXICO

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA (CENTRAL RADIO PROPAGATION LABORATORY).
ANCHORAGE, ALASKA
FAIRBANKS, ALASKA
HUANCAYO, PERU
POINT BARROW, ALASKA
POLE STATION
TALARA, PERU

TABLES OF IONOSPHERIC DATA

March 1962 - May 1958

TABLE 1

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	102	86	70	45	34	23	23	60	825	94	100	103	107	111	115	117	119	117	116	110	110	116	118	116
	CNT	18	21	23	24	29	26	22	30	30	31	31	31	31	31	31	31	31	31	31	31	28	20	13	15
	UQ	110	94	79	54	44	32	26	65	88	97	106	109	112	118	120	124	120	119	118	116	118	123	126	122
	LQ	86	74	53	36	24	18	20	57	79	90	94	100	106	107	109	114	113	112	107	104	100	106	109	105
h'F2	MED											U 305	U 320	335	335	315									
	CNT										1	5	7	13	10	13	4								
	UQ											325	340	350	350	320									
	LQ											300	310	330	325	310									
h'F	MED					E 230	250	E 255	245	E 230	2125	200	200	195	1925	200	200	200	215	E 250	E 270	E 300	265	230	210
	CNT					28	19	18	31	30	30	30	30	30	30	29	28	25	25	27	31	30	20	26	27
	UQ					235	265	290	250	230	220	210	240	200	200	210	205	210	225	250	280	320	280	245	210
	LQ					220	230	240	240	210	200	200	190	190	180	190	195	200	205	240	255	270	245	220	205
M(3000)F2	MED	330	320	340	340	340	3225	295	330	315	290	265	245	235	240	2575	255	255	255	250	260	255	275	310	330
	CNT	18	21	23	23	23	24	18	30	30	31	31	31	29	29	30	29	29	30	28	26	22	17	10	15
	UQ	340	340	350	350	350	340	345	340	325	300	285	255	245	255	265	270	265	265	270	265	265	300	325	340
	LQ	325	305	315	330	330	310	275	325	295	275	255	235	225	230	240	245	250	250	245	250	250	270	295	320
foF1	MED												U 470	480	U 480	480									
	CNT										1	2	7	12	10	10	1								
foE	MED								205	280	320	345	3625	3725	370	360	345	U 315	280	210					
	CNT								21	28	30	30	30	28	30	28	23	21	15	16					
h'E	MED								123	115	111	109	109	109	109	109	109	111	111	U 129					
	CNT								23	31	31	30	31	31	31	30	30	29	27	20					
foEs	MED	31	32	26	25	22	22	22	22							37	365	33	30	23	30	19		23	28
	CNT	31	31	31	31	31	31	30	31	31	310	31	31	31	31	31	30	29	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1962

TABLE 2

FAIRBANKS, ALASKA (64.9N, 147.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 30	U 24	U 35	U 28	U 31	U 26	25	30	34	425	48	535	55	56	57	58	54	52	39	31	265	23	U 22	U 27
	CNT	5	4	3	3	7	8	8	14	19	22	24	22	25	24	26	25	25	27	26	23	18	17	8	5
	UQ	38	30	46	32	38	32	30	32	40	47	55	58	60	60	62	62	60	58	49	40	32	26	26	31
	LQ	16	22	29	28	28	22	24	23	32	40	44	49	48	53	50	52	48	43	33	22	20	20	20	18
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED					U 270	U 2825	U 285	300	330	3375	3325	330	330	3325	3375	335	335	340	3375	335	330	300	U 3125	U 310
	CNT	4	4	2	2	6	8	8	13	19	22	24	21	24	24	26	25	25	27	24	22	18	15	8	5
	UQ					300	290	295	310	340	340	350	350	340	350	350	350	345	350	350	350	335	320	320	310
	LQ					290	270	275	280	315	330	320	325	320	325	320	325	330	330	320	320	310	290	300	290
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	34	345	45	40	36	305	35	17														10	24	28
	CNT	18	18	19	20	20	20	16	19	21	230	24	22	25	24	26	24	25	26	21	25	20	20	17	19

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. FEBRUARY, 1962

TABLE 3

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 275	U 275	U 255	U 275	U 29	U 25	U 265	U 28	37	47	52	56	60	60	63	595	545	51	445	U 325	U 305	24	21	25
	CNT	2	2	6	6	8	6	2	10	23	23	25	27	26	27	25	26	26	27	28	24	12	9	7	4
	UQ			31	32	31	32		32	41	50	60	62	64	66	69	66	63	64	54	39	34	26	22	30
	LQ			23	25	24	25		24	33	43	46	50	54	55	56	55	50	44	38	26	26	22	19	20
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED								U 305	3325	340	340	330	3325	330	340	340	330	340	340	U 335	U 330	U 335		
	CNT			3	3	2	3	1	8	22	23	23	25	26	27	25	26	25	27	28	21	10	6	2	2
	UQ								320	340	345	350	350	345	340	350	355	350	340	350	340	335	340		
	LQ								300	325	325	330	330	320	320	330	335	340	330	330	330	320	330		
foF1	MED																								
	CNT																								
foE	MED												2275	U 230	U 230	U 230									
	CNT											2	8	9	9	11	2								
h'E	MED												E 123	E 125	E 124	E 125									
	CNT											3	7	7	6	11	3								
foEs	MED																								
	CNT	8	4	6	10	10	7	4	10	21	220	25	27	26	26	25	26	26	27	28	23	13	10	8	6

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. FEBRUARY, 1962

TABLE 4

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	59	48	38	30	25	22	56	75	86	94	97	98	102	104	U 102	104	1025	103	106	106	104	96	84
	CNT	18	21	23	21	21	19	20	26	26	26	27	27	27	27	27	27	26	26	26	26	25	25	22	23
	UQ	82	74	64	54	40	31	30	58	80	95	100	105	107	109	110	116	108	110	110	111	110	111	100	96
	LQ	56	50	38	26	18	16	19	53	71	81	89	93	95	95	93	95	98	97	95	95	92	91	87	75
h'F2	MED										U 295	3175	345	3425	350	350	325	U 300							
	CNT									1	7	12	18	20	17	15	14	6	4						
	UQ										310	330	365	375	365	370	340	320							
	LQ										260	300	320	330	320	330	310	290							
h'F	MED					E 220	2275	2225	2225	235	E 2325	E 260	240	230	2175	200	200	195	190	180	190	200	220	245	250
	CNT					22	24	24	22	23	16	15	25	25	24	22	23	23	22	19	20	18	20	23	26
	UQ					235	240	235	230	250	240	270	250	240	225	210	210	200	200	200	200	210	230	250	260
	LQ					210	215	220	220	220	225	240	235	220	200	190	190	190	180	180	180	180	210	240	240
M(3000)F2	MED	330	335	330	3325	340	330	300	340	3125	2975	270	260	250	2475	255	270	285	290	295	300	300	320	335	320
	CNT	17	19	22	18	19	16	17	26	26	26	27	27	27	26	25	26	25	25	24	25	25	21	21	21
	UQ	340	340	345	350	340	340	330	350	330	310	295	285	270	275	280	290	300	300	310	320	310	330	320	340
	LQ	310	320	320	330	320	320	290	320	305	275	255	240	230	230	230	250	290	295	280	280	285	310	310	310
foF1	MED											450	470	470	480	480									
	CNT											5	14	13	18	12	1								
foE	MED								U 210	280	310	340	355	365	365	355	3425	310	280	220					
	CNT								17	18	19	17	22	18	19	16	16	14	13	8					
h'E	MED								U 121	112	111	109	109	109	109	109	109	111	111	119					
	CNT								21	24	25	26	25	25	26	27	27	24	24	10					
foEs	MED	335	32	295	225	205	22	23	21	305	335	41	39	40	38		39	355	38	37	32	215	20	355	32
	CNT	26	26	26	26	26	26	26	26	26	260	27	27	27	27	27	27	26	26	26	26	26	26	22	25

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1962

TABLE 5

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 28	28	28	29	30	30	29	27	44	36	575	58	62	65	60	52	46	39	29	23	20	23	25	U 27
	CNT	26	26	27	28	25	28	28	29	31	31	30	31	31	30	31	31	31	31	30	29	31	29	29	27
	UQ	31	32	30	31	33	35	32	30	49	61	65	64	66	70	65	57	52	45	34	23	23	24	28	30
	LQ	26	26	25	26	27	28	26	25	40	51	55	55	57	59	56	50	42	34	25	21	17	20	22	25
h'F2	MED											217	2105	219	227	225									
	CNT									2	11	12		13	14	11	1								
	UQ										225	246		237	240	230									
	LQ										212	214		213	225	215									
h'F	MED	264	2595	270	269	264	250	217	221	213	215	219	211	213	220	220	210	208	215	2175	222	U 249	242	271	265
	CNT	30	30	31	30	30	31	29	31	31	31	31	31	31	29	31	31	31	31	30	29	31	30	30	30
	UQ	278	273	283	289	275	265	244	235	224	219	224	220	219	224	226	214	213	233	229	252	278	267	280	270
	LQ	249	245	260	260	253	238	208	210	205	208	209	195	200	215	213	203	201	209	207	210	225	234	245	249
M(3000)F2	MED	U 310	310	305	305	310	320	345	3325	360	370	370	365	360	3575	370	370	360	345	3575	340	340	330	340	U 3125
	CNT	23	23	23	26	23	27	25	28	31	31	30	31	31	30	31	30	31	31	28	28	29	26	27	24
	UQ	325	325	310	310	315	330	370	350	375	375	380	375	375	365	380	380	365	360	365	365	360	335	320	320
	LQ	300	300	300	300	300	305	320	325	350	355	360	350	350	345	360	360	350	325	340	330	320	320	295	300
foF1	MED																								
	CNT											1	1	2											
foE	MED									180	U 225	U 240	U 250	2575	250	U 235	U 2025	1775							
	CNT									20	11	15	15	10	13	9	10	14							
h'E	MED									142	1155	E 115	114	115	115	1155	124	E 158							
	CNT									26	16	23	21	22	19	16	13	15							
foEs	MED																								
	CNT	31	31	31	31	30	31	30	31	31	310	31	31	31	30	31	31	31	31	31	29	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1962

TABLE 6

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	41	43	45	44	37	U 38	43	57	635	67	68	725	70	69	66	66	615	51	38	35	35	34	36
	CNT	24	25	27	29	22	25	27	31	30	30	30	29	30	30	29	29	29	30	30	27	30	29	29	26
	UQ	40	44	48	49	47	44	41	48	61	69	73	76	77	80	74	72	70	67	56	43	39	39	40	39
	LQ	34	38	41	41	38	30	31	39	53	57	63	64	61	66	65	62	62	57	44	34	31	32	31	34
h'F2	MED										249	2575	259	269	270	270	2585	240							
	CNT									1	16	26	28	27	28	28	26	19	4						
	UQ										256	265	269	260	274	275	268	260							
	LQ										240	248	242	260	264	258	250	230							
h'F	MED	E 260	E 259	2375	2315	220	U 238	E 240	230	2225	230	216	2085	190	200	E 210	215	2185	225	210	E 2165	E 2385	237	E 240	E 249
	CNT	30	30	30	30	29	29	30	31	30	30	30	26	28	29	28	27	28	30	30	28	30	30	30	30
	UQ	270	270	250	245	242	259	250	235	225	235	225	215	200	208	226	220	226	230	220	227	250	250	250	270
	LQ	250	250	230	220	210	217	230	220	210	210	209	200	180	182	200	208	206	219	208	209	228	230	230	238
M(3000)F2	MED	3025	315	325	330	340	3125	315	340	3525	350	350	340	340	340	335	340	340	350	350	330	320	325	310	310
	CNT	24	23	24	26	22	24	24	31	30	30	30	29	29	30	29	29	29	30	30	27	29	29	27	26
	UQ	310	320	340	350	365	330	320	345	360	360	355	360	350	345	350	350	350	360	355	350	325	330	330	325
	LQ	300	305	320	320	325	300	310	330	345	350	330	330	320	330	330	330	335	340	340	335	310	320	300	300
foF1	MED												430	430	440										
	CNT											4	14	15	11	4	3								
foE	MED									210	270	300	U 325	335	330	320	300	2645	215						
	CNT								1	46	19	12	13	8	19	16	19	20	15						
h'E	MED									U 115	E 110	108	105	108	U 109	U 110	110	U 112	E 120						
	CNT								1	26	27	29	28	25	26	24	25	22	17						
foEs	MED									0	27	33	36	355	360	33			23	26	215	225	20		
	CNT	30	30	30	30	30	30	30	31	30	300	30	30	30	30	29	29	29	30	30	30	30	30	29	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JANUARY, 1962

TABLE 7

POINT BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 24	U 315	U 23	U 24	U 315	U 30	U 33	U 33	U 27	U 21	29	34	39	455	45	415	U 31	235	U 205	U 17	U 195	U 285	U 26	U 28
	CNT	6	6	3	4	2	5	7	6	3	5	12	24	22	22	23	24	20	18	14	15	8	8	5	4
	UQ	25	35	30	36		33	36	40	34	36	30	36	42	48	50	45	36	28	29	31	24	30	33	33
	LQ	21	20	22	20		24	29	30	26	20	26	31	36	43	42	36	30	23	18	18	16	17	24	24
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E 2875	U 255	U 320	U 260	U 315	E 300	U 365	U 345	U 320	U 290	E 270	E 270	245	240	235	2425	2325	2475	260	U 290	U 300	E 3125	U 2725	U 300
	CNT	8	7	7	5	5	7	9	8	6	8	13	24	24	22	25	28	24	20	16	15	7	10	6	9
	UQ	345	300	325	300	350	410	430	395	350	330	320	305	270	250	255	275	260	305	310	295	310	345	320	310
	LQ	240	240	270	220	270	250	290	300	310	275	255	240	220	215	210	210	210	220	245	260	275	300	255	295
M(3000)F2	MED	U 3125					U 285	U 285				U 320	315	3275	330	330	325	325	330	U 335	U 320	U 290	U 3125		
	CNT	6	4	2	2	1	4	7	5	3	4	9	22	22	21	22	20	17	17	9	11	5	6	4	4
	UQ	330						305	300			325	330	345	350	345	340	340	350	340	335	315	340		
	LQ	285						270	275			300	300	315	320	330	310	305	320	320	305	300	305		
foF1	MED																								
	CNT																								
foE	MED																								
	CNT												1	2	2		1								
h'E	MED																								
	CNT												1	2	2		1								
foEs	MED	54	50	46	365	32	35	35	39	37	35	34	30	22		17									
	CNT	29	29	25	24	23	28	22	26	25	270	27	28	25	23	26	28	26	26	22	26	28	30	30	37

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1961

TABLE 8

REYKJAVIK, ICELAND (64.1N, 21.8W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 22	U 22	U 305	U 225	U 24	U 24	U 23	U 205	U 20	U 245	U 38	U 45	U 50	U 54	U 49	U 40	U 40	U 31	U 25	U 265	U 23	U 24	U 24	U 225
	CNT	4	3	2	2	5	7	8	6	7	22	26	25	25	23	24	17	9	10	7	2	3	3	4	4
	UQ	26	26			32	30	26	23	25	27	40	50	56	59	56	49	40	35	35		24	25		23
	LQ	20	21			21	22	22	20	19	23	35	44	48	50	44	37	37	30	22		22	22		22
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED		U 340			U E 350	U E 300	U E 300	U E 280	U		E 2725	230	2275	2275	225	220	2225	230	2425	U 260	U 290			
	CNT	3	6	4	2	7	8	9	8	4	22	27	26	28	22	23	22	15	14	10	5	3	3	3	4
	UQ		350			350	310	310	315		300	255	240	230	230	235	235	240	250	270	340				
	LQ		320			300	285	250	255		250	225	220	215	215	210	210	210	230	240	260				
M(3000)F2	MED										320	340	350	350	350	U 350	U 3325	U 330							
	CNT	1	2	2	1	2	1	4	1	2	16	23	23	22	19	14	8	5	4	2		2	1	1	2
	UQ										335	350	360	360	360	360	360	350							
	LQ										310	335	340	340	340	340	320	310							
foF1	MED																								
	CNT																								
foE	MED																								
	CNT												1												
h'E	MED																								
	CNT												1												
foEs	MED	34	29	32	36	30															23	30	30	32	30
	CNT	19	14	14	16	14	14	14	11	7	230	26	26	28	24	25	25	23	25	23	19	20	21	23	21

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. DECEMBER, 1961

TABLE 9

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	34	36	27	25	25	30	74	96	97	100	99	995	102	102	107	106	103	101	100	96	86	84	66
	CNT	3	1	3	3	11	14	20	11	21	24	29	28	28	30	27	28	28	29	30	11	29	29	22	9
	UQ	34		38	34	34	26	62	83	97	100	104	100	106	110	113	114	114	108	106	109	97	84	79	72
	LQ	34		33	24	21	22	23	75	88	92	96	94	88	90	90	98	98	98	98	92	89	86	85	61
h'F2	MED									285	307	333	341	346	340	333	326								
	CNT									7	14	24	9	20	7	22	22								
	UQ									306	315	346	375	360	363	341	349								
	LQ									285	300	320	315	330	330	320	310								
h'F	MED	285	300	280	257	245	250	245	230	245	245	250	245	245	240	240	245	235	230	235	230	275	275	335	330
	CNT	13	14	14	14	21	25	31	31	31	27	28	28	28	30	27	28	27	29	30	11	27	25	21	17
	UQ	350	330	300	270	265	265	250	250	285	285	290	290	290	295	290	290	285	285	285	275	305	355	370	380
	LQ	275	250	250	240	230	240	240	225	265	265	270	270	270	270	270	270	270	265	250	250	250	265	275	300
M(3000)F2	MED				335	340	325	320	310	300	285	285	285	275	280	280	280	275	270	270	271	280	280	270	270
	CNT	3		3	1	11	17	20	11	21	24	29	28	28	30	27	28	28	29	30	11	29	29	22	9
	UQ				350	350	345	325	340	320	300	305	300	290	290	290	290	290	290	290	290	290	290	290	290
	LQ				320	335	290	310	305	285	280	280	280	270	270	270	270	255	250	250	250	250	250	240	250
foF1	MED												476	470	466	470	460								
	CNT									1	10	14		28	13	9	4								
foE	MED								285	285	290	290	290	290	290	290	290	290	290	285					
	CNT								28	28	30	29	29	29	29	29	29	29	29	29					
h'E	MED								228	222	224	224	228	224	224	224	224	224	222	222					
	CNT								22	28	31	27	28	28	28	28	28	28	28	28					
foEs	MED	36	33	40	21	40	38	445	585	69	76	80	80	86	80	79	755	695	59	475	45	34	28		34
	CNT	30	31	30	31	31	31	30	30	30	290	27	26	28	29	28	28	28	29	30	30	34	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 2 MINUTES. DECEMBER, 1961

TABLE 10

CHARVN, GREENLAND 69.3N, 53.5W TIME 4.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	40	40	40	40	40	40	40	40	345	485	535	54	48	485	50	47	47	48	48	49	50	52	50
	CNT	7	10	7	8	4	4	4	5	4	4	10	10	10	10	8	9	11	7	10	10	11	10	10	12
	UQ	53	50	54	54	50	50				40	50	60	57	55	56	57	56	56	54	47	45	49	48	42
	LQ	33	40	34	34	40	30				40	46	46	50	45	46	43	40	43	37	38	34	33	29	26
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED											330	330	345	345			330		345	345	345	340	340	340
	CNT	3	6	5	4	3	2	1	1	3	10	14	14	14	14	4	4	10	6	11	11	10	11	11	7
	UQ										330	340	340	335	340			335		340	335	335	335	335	335
	LQ										310	320	320	320	315			310		306	310	305	315	315	320
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																			31					
	CNT	24	24	24	25	24	24	26	23	22	260	28	28	28	26	28	28	28	28	28	24	26	27	28	24

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. NOVEMBER, 1961

TABLE 11

REYKJAVIK, ICELAND (64.1N, 21.8W) TIME 0.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	25	29	30	28	28	26	25	30	28	43	54	57	595	625	575	55	50	435	37	34	26	30	25	335
	CNT	3	6	7	10	11	9	11	8	11	17	23	27	28	28	28	28	28	14	13	11	4	9	4	4
	UQ	34	32	30	36	32	31	30	26	31	46	58	61	66	68	64	64	64	50	44	38	27	36		
	LQ	22	27	26	23	25	22	22	20	27	39	48	54	54	54	51	50	47	38	29	27	6	6		
h'F2	MED												230												
	CNT												5	4	3										
	UQ												250												
	LQ												215												
h'F	MED	325	300	300	280	280	290	290	260	245	220	220	220	220	220	220	225	225	230	240	225	270	300		
	CNT	3	4	10	16	12	11	11	7	10	17	23	24	24	23	23	20	23	21	20	20	8	8		
	UQ	330	335	340	320	310	300	310	300	270	230	240	240	230	235	230	240	230	220	250	250	295	330		
	LQ	320	290	280	280	270	270	280	260	240	220	210	210	210	210	210	210	210	210	210	210	260	270		
M(3000)F2	MED				300	310	3125	320	315	325	350	3375	350	345	345	335	335	340	330	330	330				
	CNT	2		3	6	5	8	7	5	10	17	22	25	26	24	22	20	20	10	10	1	3	4	4	2
	UQ				315	315	320	330	330	340	360	360	350	350	350	350	350	335	340	330	340				
	LQ				290	300	310	315	295	320	340	335	340	340	340	340	340	330	320	320	320				
foF1	MED																								
	CNT																								
foE	MED																								
	CNT									1		1													
h'E	MED																								
	CNT																								
foEs	MED	24	27	24																	24	24	24	24	
	CNT	24	25	25	25	27	23	26	27	22	270	27	26	27	29	29	27	28	24	27	23	24	24	24	24

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. NOVEMBER, 1961

TABLE 12

TOWNSVILLE, AUSTRALIA 19.3S, 146.7E TIME 10.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		63	64					72	84	84	85	94	102	107	84	84	84	84	78					
	CNT	4		7	4	3	4	4	4	4	20	21	8	22	20	6	22	2	6	7	3			4	
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	250	250	255	255	260	280	280	282	265	265	265	265	265	265	265	265	260	260	270	275	270	260	270	275
	CNT	4	4	4	4	4	4	4	4	15	4	4	4	4	4	4	4	5	5	5	5	4	4	4	4
	UQ																								
	LQ																								
M(3000)F2	MED								340	330		315	290				295								
	CNT			5	4		4	3	4	4	4	7	5	4	4		4								
	UQ																								
	LQ																								
foF1	MED										480	470	480				480								
	CNT										5	14	13				4								
foE	MED							400	420	420	400			390			390								
	CNT							10	14	13	4			13			4								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

TUESDAY, OCTOBER, 1961

TABLE 13

WHITE SANDS, NEW MEXICO 132.3N, 106.5W TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	4	4.1	4.0	3.9	3.9	3.8	4.2	4.7	6.5	7.5	8.8	9.7	10.2	10.7	10.9	10.8	10.4	9.8	8.6	7.2	5.8	5.1	4.7	4.4
	CNT	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
	UQ	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.8	7.8	9.1	9.9	10.4	10.9	11.1	11.0	10.6	10.0	8.8	7.4	6.0	5.3	4.9	4.6
	LQ	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.2	6.4	7.4	8.7	9.6	10.1	10.6	10.8	10.7	10.3	9.7	8.5	7.1	5.7	5.0	4.6	4.3
h'F2	MED								220																
	CNT								43																
	UQ								240																
	LQ								200																
h'F	MED	230	240	240	245	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
	CNT	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
	UQ	240	250	250	250	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
	LQ	220	230	230	240	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
M(3000)F2	MED	285	2825	290	295	300	295	315	330	340	3425	300	300	2975	300	300	3125	325	320	335	335	315	295	295	290
	CNT	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
	UQ	300	300	300	300	310	310	330	340	350	350	310	310	310	310	310	320	340	340	350	350	330	310	310	300
	LQ	270	275	280	290	290	280	300	320	330	330	290	290	290	290	290	300	310	310	320	320	300	290	290	280
foF1	MED											460		460											
	CNT											43		43											
foE	MED								290																
	CNT								43																
h'E	MED								100																
	CNT								43																
foEs	MED																								360
	CNT																								43

SEPTEMBER, 1961

TABLE 14

TOWNSVILLE, AUSTRALIA 19.3S, 146.7E TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED									450	450	470													
	CNT									9	14	18													
foE	MED										310	330	350	360	350	330	320	300	250	175					
	CNT										150	17	16	16	11	11	14	14	9	14					
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS.

SEPTEMBER, 1961

TABLE 15

[illegible] TIME

HOUR		00	0	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	8	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

SEPTEMBER, 1961

TABLE 16

[illegible] TIME

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	13	14	15	16	17	18	19	20	2	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO [illegible] IN 15 SECONDS.

AUGUST, 1961

TABLE 17

REYKJAVIK, ICELAND (64.1°N, 21.8°W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	40	385	37	35	40	47	49	51	55	565	55	56	57	57	57	570	57	57	53	50	49	44	465
	CNT	5	5	8	8	11	15	19	19	13	22	22	15	15	17	17	17	16	16	17	17	14	14	7	6
	UQ	53	48	50	46	38	42	50	55	55	64	60	60	61	60	63	63	63	63	61	60	55	56	57	50
	LQ	42	38	34	31	32	35	40	43	46	50	51	51	52	53	53	52	53	53	57	47	47	42	42	45
h'F2	MED									345	325	320	325	330	340	340	340	335	335	330					
	CNT							2	4	40	44	47	43	41	45	43	44	41	38	43	4				
	UQ									370	340	340	335	380	380	370	360	350	370	370					
	LQ									320	300	300	290	305	310	310	310	290	300	290					
h'F	MED	320	300	305	300	270	250	240	230	220	220	220	220	200	200	210	210	220	220	230	230	230	300	300	320
	CNT	6	7	12	11	11	10	17	17	11	14	17	13	14	14	13	13	14	14	13	13	11	14	7	10
	UQ	330	330	335	325	305	285	295	290	230	230	230	230	220	220	230	230	230	230	240	240	320	315	315	330
	LQ	290	280	275	271	267	240	225	210	210	210	200	200	200	200	200	200	210	220	220	220	270	285	270	280
M(3000)F2	MED				300	305	320	325	320	325	325	320	320	320	320	320	325	320	320	315	320	320	320		
	CNT			1	4	5	10	13	17	11	11	11	14	14	17	15	15	13	13	15	13	13	1		
	UQ					325	330	340	340	330	320	330	325	340	335	330	330	320	320	320	320	320	320		
	LQ					280	285	315	320	320	320	310	300	300	300	290	290	310	310	310	320	300	300		
foF1	MED									385	420	430	430	440	450	440	440	440	400						
	CNT							1	3	8	17	14	17	18	17	14	16	11	7	1					
foE	MED									290	270	320	320	300	300	300	300	300	280		320	300			
	CNT							3	4	7	7	9	9	11	14	11	11	11	14	4	5	5			
h'E	MED								110	113	116	111	110	111	111	111	111	115	120		120	130			
	CNT							3	14	4	11	10	11	13	13	11	14	13	13	4	3	6	4	4	
foEs	MED	33	30	30																			34	33	300
	CNT	15	21	21	19	17	17	18	17	23	220	24	25	24	27	27	27	24	27	28	27	24	24	20	20

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. AUGUST, 1961

TABLE 18

AHMEDABAD, INDIA (23.0°N, 72.6°E) TIME 5.5E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	54	52	54	47	47	43	54	72	78	84	93	107	120	130	135	133	132	130	123	117	91	72	61	60
	CNT	17	16	17	19	14	16	23	27	26	30	29	31	30	30	29	26	24	27	24	26	27	29	24	16
	UQ																								
	LQ																								
h'F2	MED									280	300	325	350	365	360	345	340	320	285						
	CNT									24	27	31	34	30	30	28	28	20	27						
	UQ																								
	LQ																								
h'F	MED	300	290	278	275	285	270	250	235	225	215	215	225	250	235	230	230	235	240	250	245	235	240	288	320
	CNT	29	28	28	26	26	27	22	24	20	26	25	25	20	23	21	22	21	22	27	27	27	27	26	26
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED													465	470	520	520	515	520	500	500	480	460		
	CNT													18	27	29	27	24	27	20	20	20	22		
foE	MED								230	280	320	340	380	385	390	380	360	330	270						
	CNT								17	16	22	9	13	14	13	9	11	16	20						
h'E	MED								220	220	210	210	220	220	210	220	220	220	210						
	CNT								26	27	30	31	33	27	27	20	30	27	23						
foEs	MED	24	20	20	24	23	22	20	5	0	0	0	0	0	0	0	0	0	0	30	30	26	25	25	24
	CNT	28	28	29	26	28	28	27	20	20	300	31	31	31	30	30	30	30	30	29	29	26	28	28	27

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC AUGUST, 1961

TABLE 19

DJIBOUTI, FRENCH SOMALILAND (11.5°N, 43.8°E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	54	56	54	54	50	48	75	84	88	87	87	87	90	93	94	100	97	84	78	83	84	80	83
	CNT	6	7	7	7	12	17	27	26	28	6	22	25	25	24	6	12	9	4	4	4	4	6	9	6
	UQ																								
	LQ																								
h'F2	MED								280	290	260	240	270	310	300	290	270	250	260						
	CNT								4	4	6	11	14	14	11	10	24	12	3						
h'F	MED	230	220	220	220	220	230	240	250	240	240	240	240	240	240	240	240	250	245	270	270	300	300	260	320
	CNT	24	24	24	24	24	24	24	24	28	31	29	29	24	24	24	24	23	24	17	17	22	19	17	22
M(3000)F2	MED	240	240	240	240	230	240	240	240	230	230	240	240	230	230	240	240	240	240	240	240	240	240	240	240
	CNT	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	UQ																								
	LQ																								
foF1	MED											240	240	240	240	240	240								
	CNT											6	6	6	6	6	6								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

TABLE 20

TAHITI, SOCIETY IS. (17.7°S, 149.3°W) TIME 10.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	63	58	55	49	37	40	34	60	76	110	127	124	93	90	90	94	98	102	102	89	83	80	73	57
	CNT	11	19	6	27	23	23	23	29	29	27	32	28	29	30	31	30	30	26	28	29	24	20	19	16
	UQ																								
	LQ																								
h'F2	MED								295	278		270	280	280	270	280	280	280	280						
	CNT								5	22		31	31	31	31	31	29	29	29						
h'F	MED	280	290	290	290	290		290	290	290	290	290	290	290	295	295	295	290	290	290	290	290	290	290	290
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
M(3000)F2	MED	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 10 MINUTES.

AUGUST, 1964

TIME 75.0UW

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED		310	290	2775																				
	CNT		30	30	30																				
	UQ		320	310	295																				
	LQ		285	270	250																				
M(3000)F2	MED	27	260	2875	300																				
	CNT		29	28	29																				
	UQ		290	300	325																				
	LQ	27	275	280	290																				
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

AUGUST, 1964

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO [illegible] MC IN 3 MINUTES.

[illegible] 1964

TIME 0[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	405	41	41	43	44	44	45	47	50		55	57		71	71	71	71	71	75	75	745	64	53	495
	CNT	34	34	34	34	34	34	34	34	34	34	34	34	30	34	34	34	34	34	34	34	34	34	34	34
	UQ	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
	LQ	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	37	38	315	31																				
	CNT	29	30	30	30																				

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

JUNE, 1964

TABLE 25

FREIBURG, GERMANY (48.1N, 7.8E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	5.5	5.4	4.7	4.4	6.4	6.2	5.8	5.4	6.2	6.3	6.8	6.7	6.8	6.6	6.7	6.7	6.6	6.8	7.1	7.4	7.2	6.4	6.0	5.6
	CNT	3.0	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.8	2.8	3.0	3.1	3.0	3.0	3.0	3.0	3.1	2.8	2.8	2.8	2.7	2.8	2.8	2.9
	UQ	4.9	4.6	4.3	3.9	3.9	4.2	3.6	3.6	3.7	4.1	4.2	4.3	4.2	4.2	4.4	4.4	4.3	4.5	4.8	5.1	5.2	5.0	5.0	5.0
	LQ	5.0	5.4	5.1	4.8	4.8	5.7	6.1	6.4	6.6	6.8	7.2	7.2	7.4	7.2	7.2	7.2	7.2	7.2	7.6	7.6	7.5	6.7	6.2	6.2
h'F2	MED					325	326	324	328	330	328	340	330	335	330	315	320	300	280	270					
	CNT					3	2	4	6	6	5	5	4	4	4	4	4	6	6	7					
	UQ																								
	LQ																								
h'F	MED	E 280	E 270	E 264	280	268	250	235	225	230	222	205	220	230	220	220	224	230	234	255	250	250	256	265	L 280
	CNT	30	28	30	30	28	25	25	24	22	26	24	24	24	26	27	24	22	14	18	25	23	28	28	29
	UQ																								
	LQ																								
M(3000)F2	MED	2.74	2.64	2.75	2.77	2.85	2.82	2.90	2.89	2.95	3.00	2.90	2.98	2.91	3.00	3.02	3.03	3.04	3.04	3.06	3.00	2.92	2.80	2.84	2.74
	CNT	3	3	3	3	2.9	2.9	2.9	2.8	2.7	2.7	3.1	3.1	2.9	3.1	3.1	3.1	3.1	2.8	2.8	2.8	2.7	2.8	2.8	2.8
	UQ	2.83	2.93	2.88	2.71	2.78	2.78	2.89	2.74	2.77	2.73	2.81	2.80	2.88	2.93	2.93	2.91	2.95	2.94	2.93	2.97	2.87	2.79	2.71	2.88
	LQ	2.80	2.76	2.78	2.87	2.93	2.98	3.08	3.15	3.11	3.16	3.06	3.04	3.01	3.03	3.07	3.09	3.07	3.14	3.16	3.08	3.04	2.96	2.86	2.84
foF1	MED						3.56	3.36	3.46	3.46	3.46	3.46	3.45	3.46	3.40	3.40	3.50	3.20	3.85						
	CNT						5	4	4.7	4.4	4.8	5.1	5.1	4.5	4.5	4.5	4.4	7	4						
foE	MED					E	2.45	2.41	2.41	3.21	3.20	3.35	3.40	3.40	3.40	3.35	3.31	2.90	2.90	2.90	E				
	CNT					2.7	2.6	2.7	2.8	4.7	4.5	4.5	4.1	4.1	4.4	4.6	4.5	4.7	4.7	4.7	4.1				
h'E	MED					E	2.25	2.24	1.95	1.33	1.93	1.93	1.93	1.33	2.02	1.21	1.05	1.47	1.07	1.27	E				
	CNT					2.5	2.7	2.7	2.7	4.7	4.7	4.7	4.1	2.0	4.7	4.1	4.8	4.3	2.8	4.1	2.6				
foEs	MED	1.4	1.4	1.5	1.4	1.8	2.4	3.2	3.3	1.4	2.7	4.1	4.0	4.0	3.7	3.4	3.2	3.7	3.4	3.2	2.7	2.8	2.0	L 1.4	L
	CNT	3.3	3.2	3.3	3.2	3.2	3.1	3.2	3.2	3.2	2.9	3.1	3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.0	2.8	2.8	2.8	2.8	2.9

SWEEP 1.25 MC TO 20.0 MC IN 3 MINUTES. MAY, 1961

TABLE 26

PORT MORESBY (9.4S, 147.1E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				4.4	4.4	4.5	3.7	3.0					5.4	6.7	6.6			6.6	6.4	6.2	6.6	6.6	6.6	4.5
	CNT	3	4	3	2	5	3	2	3	4	3	4	4	3	3	3	4	2	1	0	1	1	2	4	3
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED							2.90	2.20	2.25									2.25	2.20	2.00	2.00	2.00	2.20	2.10
	CNT	4	4	3	3	2	4	3	3	3	3	3		1	2	2	2		0	1	0	1	2	0	3
	UQ																								
	LQ																								
M(3000)F2	MED					2.90	3.00	3.00							3.00				3.10		3.03				
	CNT	2	3	2	4	3	3	3	4	3	3	3	4	4	3	4	4	2	0	2	3	2	2	2	1
	UQ																								
	LQ																								
foF1	MED														3.00										
	CNT									2	4	4	4	4	3	3	4								
foE	MED									2.80						3.30									
	CNT								4	3	4	3	4	3	2	3	3	1	4	4					
h'E	MED														2.00	2.5									
	CNT								4	3	2	3	4	4	3	2	3	2	2						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. MAY, 1961

TABLE 27

POLE STATION (90.0S) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	L 3.6	L 3.5	D 4.1	3.6	3.5	3.8	3.5	3.5	3.6	3.5	3.5	3.7	J 3.5	J 3.7	J 4.0	J 4.0	J 3.9	J 4.7	J 3.5	J 3.9	J 3.6	J 3.4	J 3.4	J 3.6
	CNT	2.4	2.2	2.9	2.5	2.2	2.4	2.3	2.3	7	7	8	6	9	9	10	8	10	10	10	10	2.0	1.6	1.5	1.6
	UQ	3.8	3.7	4.5	4.0	4.2	4.3	3.9	4.1	3.8	4.8	4.7	4.6	4.4	4.4	4.8	4.4	4.4	5.2	3.5	4.6	3.8	4.0	3.6	3.8
	LQ	3.7	3.7	3.3	3.2	3.1	3.5	3.2	3.1	3.0	4.8	4.8	4.8	3.3	3.2	3.8	4.0	3.0	4.7	4.7	3.1	4.8	3.2	4.8	4.8
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	L 2.4	L 2.2	L 2.75	2.20	2.8	2.8	2.75	2.75	2.95	2.95	3.1	3.1	2.90	2.90	2.80	2.70	2.81	2.70	2.80	2.80	2.75	2.5	2.80	2.52
	CNT	2.4	2.8	2.8	2.4	2.7	2.7	2.5	2.6	2.4	2.6	2.7	2.5	2.4	2.5	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.7	2.3	2.4
	UQ	2.6	2.8	2.7	2.7	2.8	2.8	2.8	2.8	3.40	3.15	3.35	3.15	3.50	3.40	3.40	3.00	3.71	3.55	3.15	3.50	3.30	3.25	2.75	2.80
	LQ	2.5	2.5	2.5	2.5	2.8	2.8	2.85	2.8	2.85	2.95	2.80	2.85	2.80	2.80	2.9	2.8	2.80	2.85	2.95	2.85	2.90	2.85	2.90	2.89
M(3000)F2	MED	3.15	3.2	3.25	2.9	2.85	3.0	2.95	2.9	2.9	3.05	3.05	3.0	3.4	3.3	3.3	2.85	2.85	3.0	3.0	3.0	3.2	3.2	3.2	3.25
	CNT	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0
	UQ	2.9	2.9	3.0	2.85	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	3.0	3.0
	LQ	2.7	2.8	2.8	2.8	2.7	2.8	2.8	2.7	2.75	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

MAY, 1961

TABLE 28

FREIBURG, GERMANY (48.1N, 7.8E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	4.1	4.1	4.2	4.1	5.1	4.1	5.2	5.8	6.4	6.8	6.7	7.1	7.6	7.5	7.4	7.4	7.5	7.5	7.6	7.3	6.6	5.8	5.1	5.0
	CNT	3.1	3.1	3.1	3.1	2.9	3.1	3.0	2.8	2.7	2.8	3.0	3.1	3.0	2.8	3.0	3.0	2.7	2.7	2.6	2.7	2.7	2.8	2.9	2.9
	UQ	4.0	4.1	4.1	3.7	4.0	4.0	4.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	LQ	3.4	3.5	3.5	3.4	3.4	3.4	3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
h'F2	MED						2.80	3.15	3.15	3.10	3.0	2.95	3.00	3.15	3.10	3.00	2.92	2.75	2.80						
	CNT						3	4	5	4.7	4.7	4.5	4.7	4.1	4.7	4.7	4.2	4.2	5						
h'F	MED	2.70	2.80	2.75	2.70	2.70	2.70	2.65	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
	CNT	3.0	2.9	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	UQ	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	LQ	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
M(3000)F2	MED	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	CNT	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	UQ	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	LQ	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.45 MC TO 20.0 MC IN 3 MINUTES. APRIL, 1961

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC

APRIL, 1961

POLE STATION (90.0S) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300	295	290	280	285	290	280	285	280	285	295			310	300	300	295	305	295			305	325	330
	CNT	13	13	13	17	15	14	8	11	11	9	5	1	2	9	7	18	17	17	9	5	4	9	10	7
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1961

TABLE 31

POLE STATION (90.0S) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MARCH, 1961

TABLE 32

PARIS, FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

FEBRUARY, 1961

TABLE 33

BRISBANE, AUSTRALIA (27.5S, 152.9E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	64	64	54	46	41	42	54	62	68	70	74	80	80	82	85	86	82	76	75	70	64	60	60	64
	CNT	9	9	12	14	16	16	20	22	21	19	20	20	20	16	20	19	16	22	23	24	24	24	21	18
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	280	285	295	290	290	295	320	320	305	290	285	275	280	290	285	300	300	305	300	280	270	270	270	270
	CNT	8	6	10	9	14	12	18	21	17	160	14	13	16	10	11	12	22	15	18	23	24	24	22	13
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. FEBRUARY, 1961

TABLE 34

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	40	44	36	28	23	24	56	90	98	104	121	133	139	135	134	129	122	104	94	103	86	66	54
	CNT	25	26	25	24	26	27	28	26	24	30	28	26	28	28	28	28	27	27	26	25	26	25	25	26
	UQ																								
	LQ																								
h'F2	MED									245	250	260	270	290	280	280	270	250	230						
	CNT									27	31	31	31	31	31	30	30	29	30						
	UQ																								
	LQ																								
h'F	MED	270	260	235	225	230	300	300	260	240	225	220	210	215	220	220	225	235	235	215	220	230	220	235	255
	CNT	28	29	30	28	27	25	26	26	27	31	30	31	31	31	30	29	29	30	31	31	31	29	29	30
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									500	500	530	510	520	520	515	500	500							
	CNT									10	28	31	29	29	30	30	28	21							
foE	MED									240	285	320	340	360	360	350	330	285	220						
	CNT									27	30	31	31	31	31	30	29	31	22						
h'E	MED									120	110	120	110	110	120	120	110	120	110						
	CNT									28	31	31	30	30	30	31	31	31	20						
foEs	MED	E	[illegible]	E	16	14	16	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	24	24	23	23	19
	CNT	30	30	30	27	29	28	28	27	28	30	31	31	31	31	31	31	31	31	31	31	31	31	31	30

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC JANUARY, 1961

TABLE 35

[illegible]/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	43	43	[illegible]	[illegible]	[illegible]	[illegible]	58	75	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]	[illegible]	88	88	[illegible]	[illegible]	[illegible]	[illegible]	54
	CNT	29	27	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	305	310	315	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	29	29	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	16	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] IN 20 SECONDS. [illegible]

TABLE 36

LINDAU/HARZ, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	504	[illegible]	[illegible]	[illegible]	464	419	40	616	544	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	665	[illegible]	[illegible]	[illegible]	814	712	[illegible]	585
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	400	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED																								
	CNT																								

[illegible]

TABLE 37

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	250	250	245	255	260	270	300	305	310	305	290	290	285	285	285	290	290	295	295	290	295	275	260	255
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC

SEPTEMBER, 1960

TABLE 38

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	96	96	95	86	67	54	77	107	122	132	131	120	119	120	121	120	U 115	U 102	D 101	94	100	103	104	104
	CNT	29	29	29	29	29	29	29	29	28	28	27	26	27	27	29	29	28	27	23	28	26	28	27	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	265	255	245	240	235	230	255	245	225	215	210	205	205	210	210	215	235	260	310	430	390	375	310	275
	CNT	28	28	28	29	29	27	27	28	26	25	25	22	22	22	26	25	23	23	26	27	23	28	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	E 300	U 300	320	330	330	325	325	320	295	280	240	235	235	230	225	225	E 225	E 235	220	200	U 220	E 240		U 295
	CNT	2	1	5	14	13	19	25	27	27	28	27	26	27	26	28	27	17	9	13	25	4	2		1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							210	305	350	340	405	J 415	420	410	395	365	315	255	150					
	CNT							19	18	24	27	24	20	21	22	23	24	21	18	12					
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	G	G		G		G				U		G	U	E	E	E	E	E
	CNT	29	29	29	29	29	29	29	29	45 28	280	93 27	27	91 27	62 27	55 29	29	59 29	29	27	27	26	29	29	29

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC

SEPTEMBER, 1960

TABLE 39

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED										107	105	108												
	CNT										4	13	10												
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 35 SECONDS.

SEPTEMBER, 1960

TABLE 40

SAO PAULO, BRAZIL (23.5°S, 46.6°W) 1 MC 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							180	205										180						
	CNT							8	11										4						
h'E	MED							151	121																
	CNT							7	17																
foEs	MED											30	34				30	34	30	47	45		30		
	CNT											10	11				14	17	15	11	5				

SWEEP 1.75 MC TO 20.0 MC IN 2 MINUTES 30 SECONDS.

SEPTEMBER, 1960

TABLE 41

PORT LOCKROY (64.8S, 63.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	49	47	44	40	41	36	48	59	77	80	92	94	102	100	97	95	90	85	83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	23	23	27	26	25	27	26	27	17	24	24	28	26	25	20	23	18	22	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	335	340	[illegible]	340	310	300	[illegible]	[illegible]	[illegible]	230	[illegible]	[illegible]	230	[illegible]	235	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305	330
	CNT	23	25	[illegible]	26	24	26	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	27	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	235	230	240	235	240	250	270	320	310	315	320	310	315	315	315	325	310	320	300	300	290	260	240	240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	[illegible]	[illegible]	10
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	175	[illegible]				
	CNT						5	[illegible]	[illegible]	17	[illegible]	[illegible]	13	18	[illegible]	[illegible]	[illegible]	17	[illegible]	16	4				
h'E	MED																								
	CNT																								
foEs	MED	E	11	[illegible]	[illegible]	E	E	16	[illegible]	[illegible]	[illegible]	[illegible]	31	31	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E	E	E
	CNT	25	[illegible]	[illegible]	28	27	27	28	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC SEPTEMBER, 1960

TABLE 42

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	53	48	47	46	[illegible]	58	62	69	74	75	78	77	76	[illegible]	73	[illegible]	76	79	78	77	68	62	58
	CNT	27	[illegible]	28	[illegible]	[illegible]	[illegible]	29	[illegible]	27	29	28	30	[illegible]	[illegible]	30	28	28	28	28	27	27	[illegible]	28	28
	UQ	59	56	[illegible]	[illegible]	[illegible]	57	66	74	80	82	81	81	[illegible]	[illegible]	78	78	78	80	84	83	83	76	67	62
	LQ	51	[illegible]	44	43	[illegible]	[illegible]	[illegible]	57	64	63	68	70	[illegible]	[illegible]	70	[illegible]	68	71	[illegible]	[illegible]	[illegible]	64	56	56
h'F2	MED						[illegible]	430	345	325	300	305	325	325	330	330	325	310	300	280					
	CNT						1	5	[illegible]	16	21	24	[illegible]	17	[illegible]	[illegible]	16	8	7	3					
	UQ						680	475	[illegible]	364	355	375	360	377	[illegible]	[illegible]	348	310	[illegible]	350					
	LQ						[illegible]	385	380	295	282	290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280					
h'F	MED	288	[illegible]	[illegible]	[illegible]	288	268	[illegible]	230	[illegible]	225	212	212	[illegible]	215	[illegible]	228	231	240	257	[illegible]	248	250	266	290
	CNT	28	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	28	30	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	304	[illegible]	[illegible]	[illegible]	[illegible]	265	[illegible]	[illegible]	265	275	218	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	306
	LQ	265	270	[illegible]	[illegible]	[illegible]	258	[illegible]	[illegible]	[illegible]	[illegible]	208	200	[illegible]	[illegible]	215	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	250	270
M(3000)F2	MED	270	268	260	265	275	300	310	305	300	298	290	295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	290	285	270
	CNT	27	26	26	29	28	29	28	29	27	28	28	30	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	UQ	275	278	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	305	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]
	LQ	260	250	[illegible]	[illegible]	[illegible]	[illegible]	283	[illegible]	[illegible]	[illegible]	279	288	281	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	290	[illegible]	[illegible]	[illegible]	265
foF1	MED						[illegible]	370	415	445	470	460	480	[illegible]	[illegible]	[illegible]	490	470	[illegible]	360					
	CNT						3	5	8	8	5	7	8	[illegible]	[illegible]	6	6	3	[illegible]	[illegible]					
foE	MED					124	[illegible]	250	285	317	330	356	355	370	370	355	342	[illegible]	280	230	170				
	CNT					4	5	13	17	17	19	6	6	5	13	11	18	[illegible]	21	8	4				
h'E	MED					115	119	[illegible]	105	103	103	103	103	103	103	103	103	105	107	115	125				
	CNT					5	[illegible]	29	29	29	29	[illegible]	30	29	[illegible]	29	28	28	27	26	1				
foEs	MED	17	14	16	14	14	22	29	34	38	40	40	40	40	38		36	34	36	[illegible]	28	26	23	24	22
	CNT	29	28	29	29	29	29	29	29	29	29	29	30	30	30	30	28	28	28	28	28	28	28	28	28

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. AUGUST, 1960

TABLE 43

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	58	52	48	47	42	39	70	99	114	119	120	113	110	105	104	104	108	110	108	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	28	28	28	28	27	28	29	26	29	29	29	29	30	29	29	29	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	355	350	305	300	260	250	255	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	385	[illegible]	[illegible]	[illegible]
	CNT	28	28	28	28	28	27	27	26	25	[illegible]	21	[illegible]	26	25	27	26	24	26	27	28	28	26	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	F 245	245		335	315	305	315	315	[illegible]	285	250	[illegible]	230	230	235	240	240	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265
	CNT	[illegible]	1		5	14	17	28	29	24	29	29	28	29	30	[illegible]	[illegible]	29	27	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							[illegible]	400	[illegible]	[illegible]	400	[illegible]	[illegible]	[illegible]	305	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	24	[illegible]	24	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED	F	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMAT. [illegible]

TABLE 44

PORT LOCKROY (64.8S, 63.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]
	CNT	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP [illegible] MINUTES, AUTOMAT. [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	250	245	240	240	250	290	295	290	290	280	275	275	275	275	275	280	280	280	290	290	280	275	265	255
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED					14	13																		
	CNT					12	17	15																	

SWEEP [illegible] MC TO 20.0 MC IN 20 SECONDS. APRIL, 1960

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC APRIL, 1960

TABLE 47

TOWNSVILLE, AUSTRALIA 119.3S, 146.7E TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. APRIL, 1960

TABLE 48

PORT LOCKROY 164.8S, 63.5W TIME 00.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC APRIL, 1960

TABLE 49

DELHI, INDIA (28.6°N, 77.2°E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U							U	U	U	U	U	U	U	U								
	CNT	44	44			33	33	40	73	135	129	136	134	144	134	135	138	135	130	117	105	91	85	87	83
	UQ	9	7	2	1	10	4	10	17	16	21	20	16	21	21	11	15	16	22	11	11	15	17	13	13
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED										340														
	CNT									4	4	4	4	4	3	2	2	2	2	2	2	2	2		
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									280	280	280		280	290			320							
	CNT									8	12	6	2	3	0	0	1	2	1	1	1				
h'E	MED									100	100	80		100	100			120							
	CNT									8	120	6	1	6	0	0	1	2	1	1	1				
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL JANUARY, 1960

TABLE 50

AHMEDABAD, INDIA (23.0°N, 72.6°E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	84	80	76	74	74	76	76	80	111	130	136	134	134	132	132	134	132	132	130	128	134	134	140	138
	CNT	7	7	8	7	14	15	16	16	1	25	23	26	17	2	14	18	20	16	16	17	17	17	16	16
	UQ																								
	LQ																								
h'F2	MED										290	290	300	340	340	340	340	280	290	290					
	CNT										28	25	26	17	21	17	18	26	26						
	UQ																								
	LQ																								
h'F	MED	230	240	240	240	240	240	240	245	250	240	225	220	230	230	230	240	250	250	240	250	250	250	250	230
	CNT	28	7	28	1	1	17	28	17	17	2	23	28	24	27	29	28	17	28	23	17	28	28	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	2.8	2.85	2.8	2.85	2.85	3	3	3.05	3.2	3.2	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
	CNT	2	1	1	2	1	1	1	28	28	2	23	28	24	1	1	1	1	1	1	1	28	28	28	28
	UQ																								
	LQ																								
foF1	MED										480	480	490	485	495	485	505								
	CNT										3	14	23	19	18	17	11								
foE	MED									340	350	350	370	390	380	1	1	360	360						
	CNT								24	28	28	23	28	28	28	1	1	27	24						
h'E	MED									110	110	110	110	110	110	110	110	110	110						
	CNT									23	28	28	27	22	1	1	1	22	28						
foEs	MED	1.8	1	2.0	2.0	1.8	2.1	2.5	1.8													1.8	1.8	1.8	1.8
	CNT	28	27	28	28	28	27	28	27	27	28	23	28	27	28	29	28	27	21	23	1	28	28	28	28

SWEEP 0.6 MC TO [illegible] MC IN 5 MINUTES, AUTOMATIC JANUARY, 1960

TABLE [illegible]

CALCUTTA, INDIA (22.5°N, 88.6°E) TIME 90.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	90	86	80	78	78	78	80	78	[illegible]															100
	CNT	4	34	38	34	28	29	28	27	28	27	4	28	27	27	1	24	4	30	24	30	30	30	1	31
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	230	220	240	240	250	250	250	250	270	270	270	270	280	280	280	280	280	280	280	280	280	280	280	280
	CNT	31	31	28	28	28	27	28	28	28	4	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8																
	CNT	1	1	1	1	28	28	28	28																
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

TABLE 52

BOMBAY, INDIA (19.0°N, 72.8°E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	128	124	120	118	116	120	128	134		130	141	140	138	134	132	132	130	132	134	136		144	144	142
	CNT	28	28	28	24	17	27	27	27		27	22	24	1	1	1	1	1	1	2	2		27	27	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7		2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8		2.8	2.8	2.8
	CNT	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1		1	1	1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

TABLE 53

[illegible] TIME 75°0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]																					117	114	110
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED									280	265	250	240	235	240	240	245								
	CNT									24	210	16	16	22	13	17	13								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] TO 18.0 MC IN 5 MINUTES. MANUAL

JANUARY. 1960

TABLE 54

TIRUCHY. INDIA 110.8N. 78.7E) TIME 75°0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED										U	U													
	CNT										18	26													
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED					350	340	310	305	275	260	250	240												
	CNT									12	110	12	15												
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES. MANUAL

JANUARY. 1960

TABLE 55

[illegible] INDIA [illegible] TIME 75°0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	295	305	310	310	320	325	290	295	275	250	240	235	230	220	230	230	230	225	220	210	220	220	220	225
	CNT						3	30	30	31	29	28	24	30	28	30	27	29	30	29	27	15	14	12	15
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] IN 27 SECONDS.

JANUARY. 1960

TABLE 56

THIVANANTHAPURAM. INDIA (8.5N. 77.0E) TIME 75°0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED													116	116	117	120								
	CNT											11	15	16	17	19	18								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED		300	310	310	310	325	310	305	280	260	245	240												
	CNT	3	5	6	6	9	14	29	26	29	90	10	15												
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] IN 5 MINUTES. MANUAL

JANUARY. 1960

TABLE 58

NATAL, BRAZIL (5.7S, 35.2W) TIME 30.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	8.0	7.4	7.1	6.8	6.8	7.8	9.2	9.8	9.7	9.4	9.8	10.4	10.4	10.2	10.3	10.1	10.1	10.4	10.1	9.6	9.2			8.8
	CNT	30	34	34	31	30	33	34	33	31	32	30	30	31	32	32	32	30	30	30	30	32	4	4	32
	UQ	1.8	1.5	1.3	1.1	1.1	1.0	0.8	0.6	1.1	1.0	0.9	0.8	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.4			1.7
	LQ	7.1	6.4	6.2	7.0	7.2	7.1	7.7	8.3	7.7	7.4	7.7	8.3	7.7	7.4	7.5	7.7	7.0	7.2	7.3	7.3	7.2			7.4
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	277	265	270	271	259	259	253	243	230	230	232	230	229	230	230	229	232	240	247	260	263	280	260	260
	CNT	28	29	27	28	27	32	25	23	26	24	20	21	23	23	22	21	23	20	21	20	27	20	20	27
	UQ																								
	LQ																								
M(3000)F2	MED	2.82	2.82	3.04	3.06	3.22	3.24	3.20	3.24	2.96	2.80	2.82	2.82	2.82	2.82	2.80	2.80	2.82	2.80	2.80	2.82	2.82			2.80
	CNT	0	1	1	24	27	26	27	23	24	24	27	27	27	24	27	27	28	28	27	27	28	1	2	0
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								2.70	3.06	3.12	3.12	3.10				3.00	3.02	3.02	3.06					
	CNT								11	29	27	31	31				1	30	29	28					
h'E	MED								2.15	2.15	2.15	2.17	2.21	2.1	2.17	2.2	2.2	2.17	2.15	2.11	2.3				
	CNT								11	26	27	28	23	10	1	24	10	27	29	23					
foEs	MED	3.4			3.0	3.4				3.8	4.4	3.4	3.6	3.6	3.1	3.4	4.0	4.1	4.4	3.7	4				3.4
	CNT	7	4		8	7			22	22	29	26	26	22	17	22	24	20	20	27	4			1	6

SWEEP 1.0 MC TO 25.0 MC IN 35 SECONDS. JANUARY 1960

TABLE 58A

[illegible] TIME 30.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	5.8	6.1	5.8	5.6	5.5	5.5	5.5	5.6	5.5	5.4	5.4	5.5	5.4	5.4	5.3	5.6	5.7	5.5	5.5	5.6	5.7	5.8	5.7
	CNT	30	32	31	30	30	30	32	29	30	30	29	32	28	29	33	32	30	32	30	30	30	30	30
h'F2	MED	2.92		2.92	2.94	2.92	2.92	2.92	2.94	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	
	CNT	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
h'F	MED	247	247	245	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247
	CNT	27	29	27	29	29	29	29	29	29	31	30	30	30	30	30	30	30	30	30	30	30	30	30
M(3000)F2	MED	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82
	CNT	27	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
foF1	MED	4.6	4.6	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	CNT	30	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
foE	MED	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	CNT	27	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
h'E	MED	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
	CNT	23	27	24	24	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
foEs	MED																							
	CNT																							

[illegible] JUNE, 1959

TABLE 59

UPPSALA, SWEDEN (59.8N, 17.6E) TIME 1.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	6.7	6.5	6.8	6.7	7.1	7.1	7.4	7.4	7.4	7.6	7.8	8.1	7.9	7.4	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.0	7.4	7.2
	CNT	3	3	3	3	3	3	3	3	3	3	1	1	3	4	4	3	4	3	4	3	30	3	30	30
h'F2	MED				3.5	3.6	3.6	4.0	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.7	3.7	3.8				
	CNT				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
h'F	MED	3.0	3.0	3.3	3.4	3.4	3.4	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4
	CNT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M(3000)F2	MED	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] JUNE, 1959

TABLE 60

[illegible] TIME 30.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	2	3	14	15	6	7	18	9	20	2	22	23
foF2	MED	5.5	5.4	5.5	5.7	5.7	5.6	5.6	5.7	5.6	5.7	5.6	5.7	5.6	5.6	5.4	5.7	6.0	6.0	6.0	7.2	[illegible]	6.0	6.2
	CNT	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	30	4	4	4	4
h F2	MED																							
	CNT																							
	LQ																							
	UQ																							
h'F	MED	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	CNT	24	27	23	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
M(3000)F2	MED																							
	CNT																							
foF1	MED																							
	CNT																							
foE	MED																							
	CNT																							
h'E	MED																							
	CNT																							
foEs	MED																							
	CNT																							

[illegible] JUNE, 1959

TABLE 61

[illegible] MC, [illegible] [illegible] [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]																							
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 15.0 MC IN 5 MINUTES. AUTOMATIC

JUNE, 1959

TABLE 62

MACAU 22.2N, 113.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED								124	122	132	140	145	151	151	154	154	154	154	154					
	CNT	4	4	1					6	20	28	26	26	17	17	14	11	22	8	1		1	1		3
	UQ								129	135	144	148		159	154	156	155	155	153						
	LQ								101	111	120	135	142	143	147	152	151	134	135	128					
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED								44	225	226	223	225	224	227	227	225	225	225	215					
	CNT	1	4	1	1				3	21	18	26	20	28	29	24	24	22	22	8	1	1	1		3
	UQ																								
	LQ																								
foF1	MED											920	950	940	900	900	830	800	800						
	CNT											10	17	28	23	26	23	27	22	6					
foE	MED									33	37							30	34						
	CNT									14		1					1	14	14						
h'E	MED									120	120							120	120						
	CNT									11	10							14	14						
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

APRIL, 1959

TABLE 63

RESOLUTE BAY, CANADA [illegible] TIME +0.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	72	69	64	62	61	64	64	71	79	78	83	78	74	83	88	87	90	86	84	76	75	74	84	84
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	3	3	3	3	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
h'F2	MED											340					330								
	CNT											1					1								
	UQ																								
	LQ																								
h'F	MED	260	260	260	270	260	270	270	260	270	260	260	260	270	270	270	260	270	270	270	260	270	260	270	270
	CNT	31	31	31	31	31	31	31	31	31	31	31	23	31	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
M(3000)F2	MED	260	260	260	270	270	270	270	270	270	270	270	270	270	270	270	270	260	260	260	260	260	260	260	260
	CNT	1	1	14	14	1	1	1	1	1	1	2	17	1	1	1	1	1	1	1	1	1	1	1	1
	UQ																								
	LQ																								
foF1	MED											440	430					440							
	CNT											4	4					14							
foE	MED																								
	CNT	1			1																				
h'E	MED																								
	CNT	1			1																				
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

MARCH, 1959

TABLE 64

POITIERS, FRANCE [illegible] TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	78	74	70	69	66	58	62	94	[illegible]															
	CNT	31	31	31	31	28	30	30	30																
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 17.0 MC IN 1 MINUTE.

MARCH, 1959

TABLE 65

RABAT, MOROCCO

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED		81	72	53	45	64	64	75	106	126	136	134	134	136	135	132	130	130	126	114	92	85	85	90
	CNT									23	27	29	26	22	27	25	22	18	15	10					
	UQ																								
	LQ																								
h' F2	MED									525	338	280		430	400	445									
	CNT									1	1	3		1	1	1									
	UQ																								
	LQ																								
h' F	MED	314	344	345	345	412	282	278	285	330	330	340	330	350	330	330	330	330	330	330	330	330	330	330	330
	CNT	3	3	4	4	3	10	18	22	27	27	29	26	24	27	25	22	18	15	10	7	4	4	4	4
	UQ																								
	LQ																								
M(3000)F2	MED			280	260	248	280	280	284	260	260	270	274	280	270	280	270	270	280	280	260	270	270	250	260
	CNT			1		1	1	2	3	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1
	UQ																								
	LQ																								
fo F1	MED										240														
	CNT										1														
fo E	MED								197	192	210	208	201	202	198	202	200	200	202	202	192				
	CNT								1	1	1	1	1	1	1	1	1	1	1	1	1				
h' E	MED								230	220	210	210	220	220	220	220	220	230	230	220	220				
	CNT								1	1	1	1	1	1	1	1	1	1	1	1	1				
fo Es	MED																			160	170				
	CNT																			1	1				

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

MARCH, 1959

TABLE 66

TAMANRASSET, FRENCH WEST AFRICA

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED									134	142	150	153				150								
	CNT									50	47	50	47	28	28	28	28	27	27	25	26	28	28	28	28
	UQ																								
	LQ																								
h' F2	MED									340				380	390	390	380	360	370						
	CNT									1				12	14	14	11	13	1						
	UQ																								
	LQ																								
h' F	MED	430	430	430	430	430	440	440	440	435	435	430	430	430	430	430	430	440	440	430	440	440	440	430	430
	CNT	4	4	4	4	28	27	27	27	24	27	28	28	27	25	25	24	27	25	25	27	28	28	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	280		270	280	280	280	290	310	310	280	270	260	260											
	CNT	1		1	1	1	2	6	10	10	8	3	2	0	3	3	4	4	1		2	4	1		4
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED							170	180	240	270	290	290	290	280	270	270	260	260			260	260		
	CNT							1	4	11	10	10	7	7	7	7	7	7	7	10	10	4	11	10	11
h' E	MED								220	220	220	220	220	220	220	220	220	220	220			220	220		
	CNT								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
fo Es	MED									240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
	CNT									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

MARCH, 1959

TABLE 67

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE 68

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	14	15	16	17	8	9	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE 7A

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

FEBRUARY, 1959

TABLE 7A

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

FEBRUARY, 1959

TABLE 7A

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

JANUARY, 1959

TABLE 73

RABAT, MOROCCO (30.?N, 6.8W) [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	67	64	61	58	54	45	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	148	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	23	23	[illegible]	24	24	25	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
h'F	MED	260	260	270	260	250	250	270	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	25	24	[illegible]	[illegible]	26	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	275	[illegible]	[illegible]	295	275	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED														[illegible]	[illegible]									
	CNT														[illegible]	[illegible]									
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

JANUARY, 1959

TABLE 74

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E) [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	154	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	155	155	[illegible]	[illegible]	152	150
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	25
	UQ																								
	LQ																								
h'F2	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	31	31	[illegible]	31	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]				[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	17	17	[illegible]	[illegible]	[illegible]	[illegible]	17	14	[illegible]	4	3	[illegible]		[illegible]	[illegible]				[illegible]	3
	UQ																								
	LQ																								
foF1	MED														[illegible]										
	CNT														[illegible]										
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foEs	MED	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

JANUARY, 1959

TABLE 75

BANGUI, FRENCH EQUATORIAL AFRICA (4.6N, 18.6E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	100	88	88	90	80	74	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	114	111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	10	12	17	15	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED														[illegible]	[illegible]									
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED														[illegible]	[illegible]									
	CNT																								
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

TABLE 76

NATAL, BRAZIL (5.7S, 35.2W) TIME 30.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	LQ				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
h'F2	MED																								
	CNT														[illegible]										
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	UQ																								
	LQ																								
foF1	MED														[illegible]	[illegible]	[illegible]								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]					
foEs	MED																								
	CNT																								

[illegible]

[illegible]

TABLE [illegible]

DELHI, INDIA (28.6N, 77.2E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]				320	300	325	345	340	325														[illegible]
	CNT	[illegible]	[illegible]		1	6	10	9	5	14	7	3	3	4		1		1				2		1	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									300	310	370				380	300								
	CNT									9	7	5	1	1	2	4	5	[illegible]							
h'E	MED									100	100	100				100	100								
	CNT									9	70	5	1	1	2	4	5	[illegible]							
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL NOVEMBER, 1958

TABLE [illegible]

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55	57	107	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	170	179	[illegible]	170	153	150
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	11	[illegible]	[illegible]	[illegible]	27	29
	UQ																								
	LQ																								
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	275
	CNT	28	27	28	23	25	18	24	24	27	26	24	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
	UQ																								
	LQ																								
foF1	MED												[illegible]												
	CNT												[illegible]												
foE	MED								220	290	330	380	400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								14	20	7	7	12	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	125						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC NOVEMBER, 1958

TABLE [illegible]

CALCUTTA, INDIA (23.0N, 88.6E) TIME 90.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	115	108	110	86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	20	20	15	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]														[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED								[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]				[illegible]		[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 13.0 MC IN 1 MINUTE [illegible] SECONDS [illegible]

TABLE 80

BOMBAY, INDIA (19.0N, 72.8E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	100	95	89	83	74	59	65	75		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
	CNT	12	11	15	17	[illegible]	17	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED					[illegible]	[illegible]	[illegible]				[illegible]													
	CNT			[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED																								
	CNT																								

SWEEP [illegible] MINUTES, [illegible] NOVEMBER, 1958

TABLE 81

MADRAS, INDIA (13.1°N, 80.3°E) TIME 75°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	130	123	109	92	74	70	91	126	144	144	143	142	137	137	130	133	134	127	122	116	110	108	105	106
	CNT	26	21	22	22	25	25	29	28	30	28	28	28	21	22	20	19	28	28	30	27	20	20	25	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED							(2.2)	(2.8)	(2.7)	(2.8)	(2.7)	(2.8)	(2.2)	(2.2)	(2.2)	(2.2)	(2.0)							
	CNT							15	17	24	24	27	28	29	28	29	28	3							
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL NOVEMBER 1958

TABLE 82

TRIVANDRUM, INDIA (10.8°N, 78.7°E) TIME 75°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	(12)	(11)	(10)	(9)	87	76	84	118	136	137	139	138	130	134	132	132	131		113	111	(110)	(111)		114
	CNT	4	4	5	4	19	17	23	23	20	22	27	24	26	24	27	25	9		19	22	5	7	4	6
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED					(3.3)	3.5	3.0	2.9	(2.2)		(2.2)	(2.2)	(2.2)	(2.2)	(2.1)	(2.1)			(2.2)					
	CNT					7	7	14	15	8		12	16	28	24	12	12			5					
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL NOVEMBER 1958

TABLE 83

KODAIKANAL, INDIA (10.2°N, 77.5°E) TIME 75°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	(14)	11	(10)	(9)	78	64	81	114	(128)	(129)	(119)	(132)	(130)	(127)	(128)	(128)	(122)	(117)	(126)	(96)	95	(108)	104	108
	CNT	15	14	14	14	22	20	22	24	1	24	18	27	8	10	10	10	30	20	28	28	21	4	1	15
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	28	(24)	24	(23)	(32)	29	(43)	(43)	(37)	(42)	(41)	(44)	(41)	(41)	(44)	(37)	(29)	(30)	(47)	(44)	(41)	(40)	(45)	(50)
	CNT	24	27	15	11	10	10	10	10	34	20	18	20	28	21	14	7	30	19	28	28	27	27	27	30
	UQ																								
	LQ																								
M(3000)F2	MED	(2.5)	(2.6)	(2.6)	(2.6)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)
	CNT	17	16	16	16	22	20	20	20	1	22	20	22	22	22	22	22	3	0	20	20	22	22	22	22
	UQ																								
	LQ																								
fo F	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE 84

TRIVANDRUM, INDIA (8.5°N, 77.0°E) TIME 75°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	(13)	12	(10)	(9)	87	77	86	113	126	127	127	126	(125)	134	(132)	(131)	(128)	(123)	(121)	(120)			101	103
	CNT	4	4	4	4	17	17	18	17	24	19	18	24	24	4	24	24	22	13	22	7	4	4	5	7
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	(2.2)	(2.2)	(2.2)	(2.2)	3.0	3.0	3.0	(2.8)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)					
	CNT	4	4	4	4	11	15	23	17	22	22	22	22	22	22	22	22	20	6	4					
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE 85

DELHI, INDIA (28.6N, 77.2E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	9.0	7.7	7.1	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.0	8.1
	CNT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UQ	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.4
	LQ	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT	4	3	3	3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL JULY, 1958

TABLE 86

(28.6N, 77.2E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	8.0	7.7	7.1	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.0	8.1
	CNT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	UQ	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.4
	LQ	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT	4	3	3	3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC JULY, 1958

TABLE 87

CALCUTTA, INDIA (23.0N, 88.0E) TIME 90.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	4.0	4.0	3.9	3.9	75	75	80	90	97	100	110	110	118	115	110	110	110	110	110	110	110	98	105	100
	CNT	14	14	14	14	20	11	14	1	11	11	11	11	11	11	11	13	11	11	13	13	13	12	12	13
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT					360	360																		
	UQ					10	14																		
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 13.0 MC IN 1 MINUTE 55 SECONDS. JULY, 1958

TABLE 88

BOMBAY, INDIA (19.0N, 72.8E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	82	75	72	72	68	63	66	92	106	118	127	133	133	129	135	134	129	120	120	120	120	115	110	100
	CNT	1	1	1	1	1	1	1	1	5	5	6	1	1	1	1	1	6	1	1	5	1	1	1	1
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL JULY, 1958

TABLE 89

MADRAS, INDIA (13.1N, 80.3E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	93	90	90	87	74	71	71	76	113	114	114	111	110	107	110	107	106	108	103	107	102	98	97	97
	CNT	30	29	29	29	24	23	23	24	31	29	30	27	27	23	24	21	32	31	30	28	27	25	26	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED							(310)	280	247	241	223	221	(240)			229	230							
	CNT							7	16	11	14	8	8	9	5	5	11	11	5	5	4				
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL JULY, 1958

TABLE 90

TRIVANDRUM, INDIA (10.8N, 76.7E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			93	87			84	88	106	108	108	106	107	108	103	103	117	117	110	108	106	99	97	98
	CNT							17	22	24	24	20	20	22	23	23	20	15	27	30	29	8	9	9	5
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED				3.4			3.4	3.4	265	240	225	225	222	222	230	222	(220	(220						
	CNT							24	25	22	110	19	24	22	17	15	16	≡	0	4	4			1	1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL JULY, 1958

TABLE 91

KODAIKANAL, INDIA (10.2N, 77.5E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	83	84	74	74	74	77	77	82	107	109	107	103	100	105	108	111	113	116	107	104	96	94	94	93
	CNT	9	11	11	14	17	16	17	17	21	17	18	17	19	19	30	31	31	19	24	21	16	14	9	8
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	340	330	320	310	300	290	280	270	260	250	240	230	220	210	200	190	180	170	160	150	140	130	120	110
	CNT	24	32	31	31	29	28	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	2.9	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	CNT	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							2.2	2.2	2.2								2.2	2.2						
	CNT							24	24	24								24	24						
h'E	MED							2.2	2.2	2.2								2.2	2.2						
	CNT							24	24	24								24	24						
foEs	MED	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	CNT	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24

SWEEP 1.0 MC TO 18.0 MC IN 5 MINUTES, MANUAL

TABLE 92

TRIVANDRUM, INDIA (8.5N, 77.0E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		84				82	78	84	102	104	103	103	104	104	103	102	112	112	112	107	102	101	102	102
	CNT		4	4	4	4	22	23	24	23	27	23	23	24	21	24	21	23	21	24	27	7	7	6	5
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED						2.7	2.8	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8					
	CNT						24	24	24	24	24	24	24	24	24	24	24	24	24	24	24				
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 18.0 MC IN 5 MINUTES, MANUAL

DELHI, INDIA (28.6°N, 77.2°E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	117	119	114	117	104	105	112	118	110	116	124	136	147	145	140	142	144	139	134	124	118	113	112	113
	CNT	14	7	14	17	18	7	10	13	14	10	26	26	4	3	24	4	24	24	17	14	4	15	15	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED				254	274	284	310	300	282	272	270	268	262	262	270	264	274	272	270	272	260	264	260	260
	CNT			4	4	18	22	22	24	12	12	12	14	4	4	4	4	4	4	0	4	4	4	4	0
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED															300	300								
	CNT															2	2								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

WIDE (0.5 MC TO 16.0 MC IN 5 MINUTES) MANUAL MAR. 1958

AHMEDABAD, INDIA (23.0°N, 72.6°E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	129	131	132	134	136	137	144	154	144	142	140	130	125	122	120	122	120	120	120	117	140	137	130	134
	CNT	13	13	13	13	13	1	13	15	14	14	14	14	4	2	10	14	13	13	13	12	11	16	9	9
	UQ																								
	LQ																								
h'F2	MED									310	310	310	300	290	290	290	290	300	320						
	CNT									13	13	13	13	13	13	14	13	14	20						
	UQ																								
	LQ																								
h'F	MED	190	190	180	180	170	170	160	170	170	230	0	170	180	180	180	170	170	180	170	310	330	330	330	330
	CNT	14	14	14	14	14	14	13	13	17	0	0	0	7	7	7	7	14	7	13	10	14	14	14	10
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	270	270	270	270	260	270	270	280	280	270	270	270	270	270	260	260	260	260	260	260	260	260
	CNT	14	14	14	13	14	14	13	13	7	7	7	7	7	7	7	7	13	13	13	13	13	17	10	14
	UQ																								
	LQ																								
foF1	MED										260	260	260	270	260	260	270	260	260						
	CNT										4	4	4	4	4	4	4	0	0						
foE	MED								240											240					
	CNT								3											2					
h'E	MED								220	220										160					
	CNT								4	4										4					
foEs	MED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	40	40	0	0	0	0
	CNT	0	0	0	0	0	14	0	14	14	14	14	14	0	0	0	0	10	10	10	10	0	17	19	10

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC MAR. 1958

CALCUTTA, INDIA (22.6°N, 88.4°E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	CNT	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	190	190	180	180	170	170	160	170	170	230	0	170	180	180	180	170	170	180	170	310	330	330	330	330
	CNT	14	14	14	14	14	14	13	13	17	0	0	0	7	7	7	7	14	7	13	10	14	14	14	10
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	270	270	270	270	260	270	270	280	280	270	270	270	270	270	260	260	260	260	260	260	260	260
	CNT	14	14	14	13	14	14	13	13	7	7	7	7	7	7	7	7	13	13	13	13	13	17	10	14
	UQ																								
	LQ																								
foF1	MED										260	260	260	270	260	260	270	260	260						
	CNT										4	4	4	4	4	4	4	0	0						
foE	MED								240											240					
	CNT								3											2					
h'E	MED								220	220										160					
	CNT								4	4										4					
foEs	MED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	40	40	0	0	0	0
	CNT	0	0	0	0	0	14	0	14	14	14	14	14	0	0	0	0	10	10	10	10	0	17	19	10

WIDE (0.5 MC TO 16.0 MC IN 5 MINUTES) MANUAL MAR. 1958

BOMBAY, INDIA (19.0°N, 72.8°E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	14	5	16	17	18	19	20	21	22	23
foF2	MED	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	CNT	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

MAR. 1958

TABLE 97

MADRAS, INDIA (13.4°N, 80.3°E) TIME 75.0°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	117			87	85	83									120				115					
	CNT	32			41	25	28	32	29	30	7	30	27	29	29	30	29	30	31		25	24			32
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

MANUAL 1.5 MC TO 18.0 MC IN 5 MINUTES. MAN A.

MAY, 1958

TABLE 98

TRIVANDRUM, INDIA (8.5°N, 77.0°E) TIME 75.0°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

MINUTES. MAN A

MAY, 1958

TABLE 99

[illegible] (8.5°N, 77.0°E) TIME 75.0°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] SECONDS.

TABLE 100

TRIVANDRUM, INDIA (8.5°N, 77.0°E) TIME 75.0°E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	14	15	16	7	18	.9	20	2	22	23
foF2	MED															116				117					
	CNT														29	34			27	34					
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible]

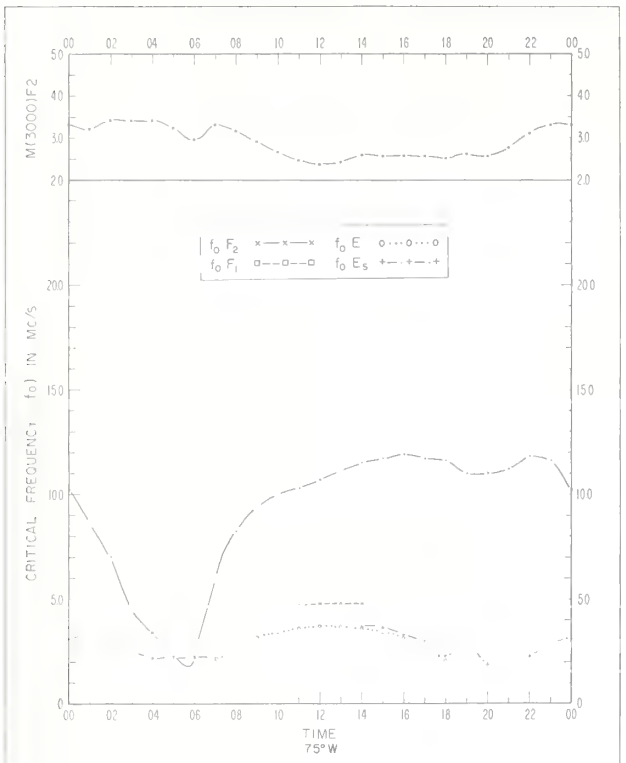

Fig 1. TALARA, PERU
4 6°S, 81 3°W
MARCH 1962

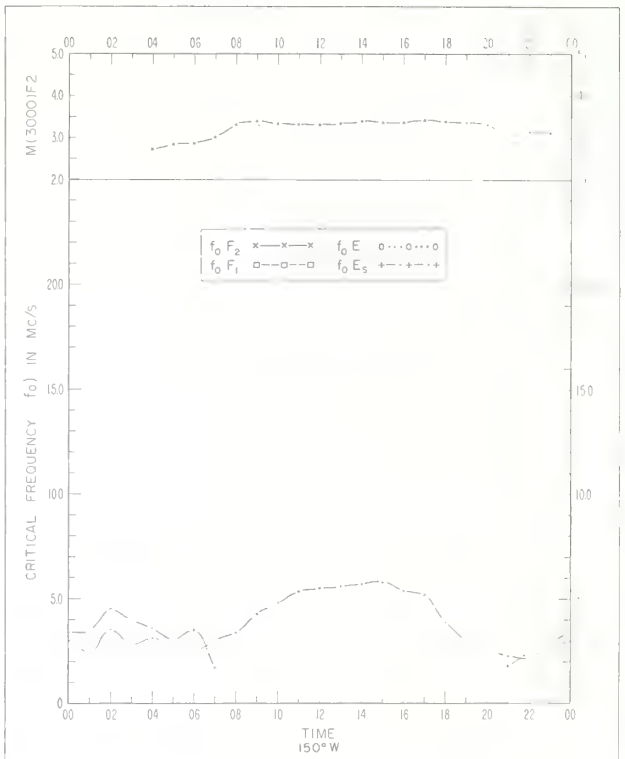

Fig 2. FAIRBANKS, ALASKA
64 9°N, 147.8°W
FEBRUARY 1962

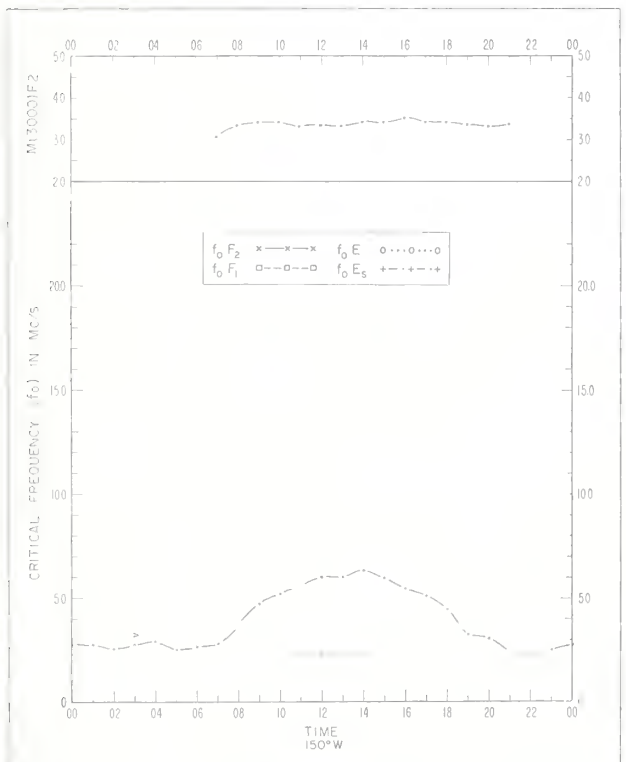

Fig 3. ANCHORAGE, ALASKA
61 2°N, 149 9°W
FEBRUARY 1962

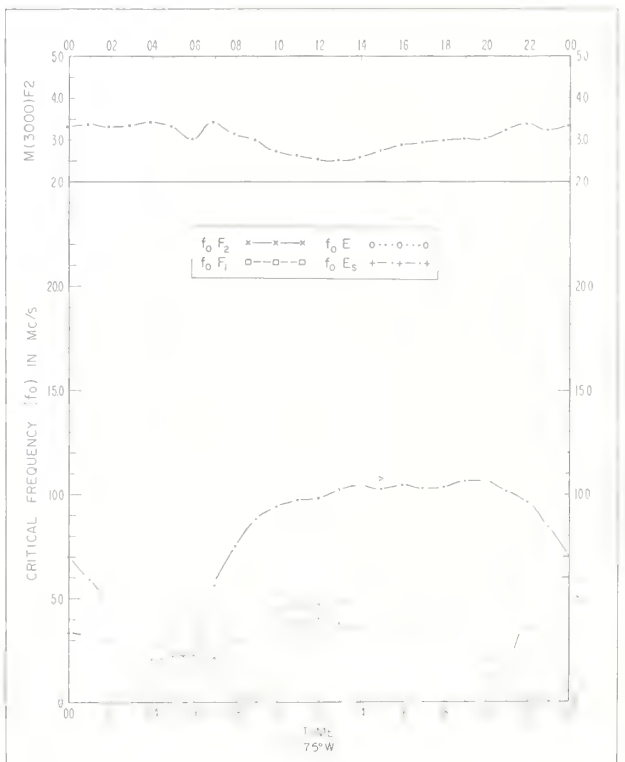

Fig 4 TALARA, PERU
4 6°S, 81 3°W
FEBRUARY 1962

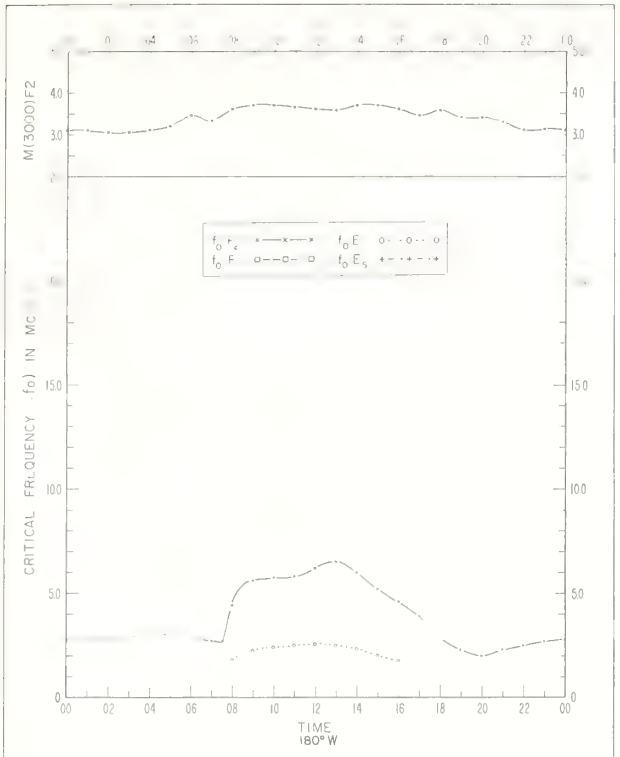

Fig 5. ADAK, ALASKA
51.9°N, 176.6°W
JANUARY 1962

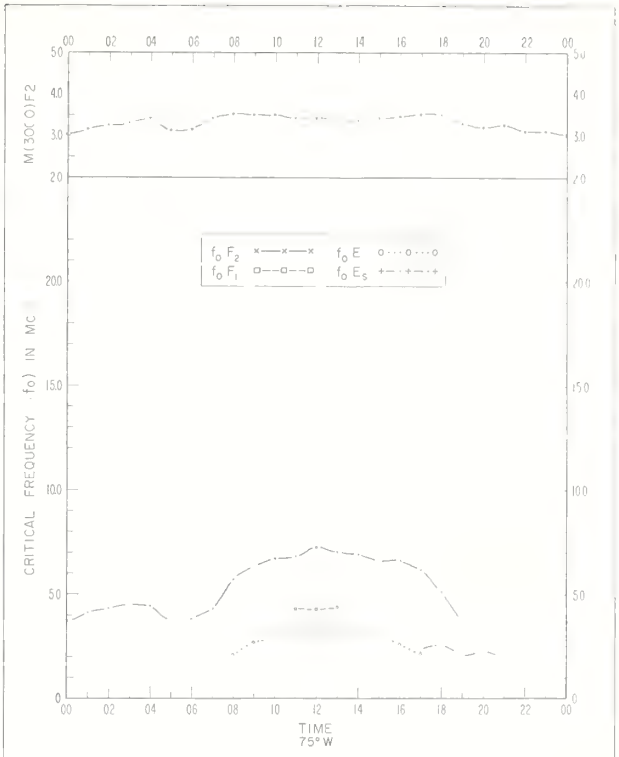

Fig 6. GRAND BAHAMA I
26 6°N, 78 2°W
JANUARY 1962

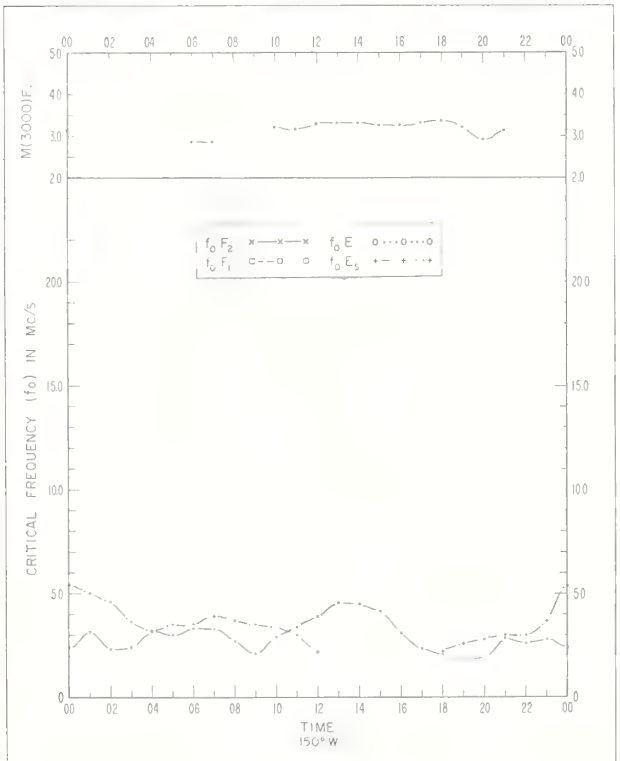

Fig. 7. POINT BARROW, ALASKA
71.3°N, 156.8°W
DECEMBER 1961

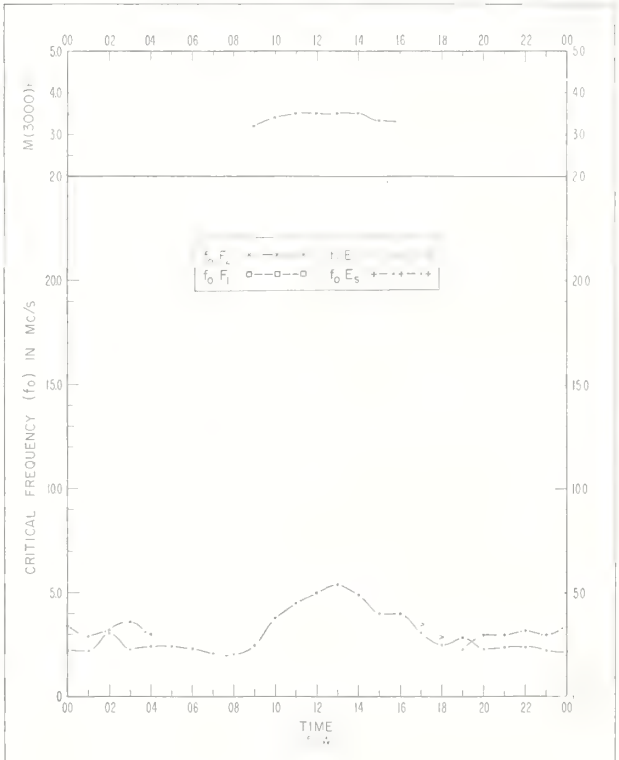

Fig 8. REYKJAVIK, ICELAND
64.1°N, 21.8°W
DECEMBER 1961

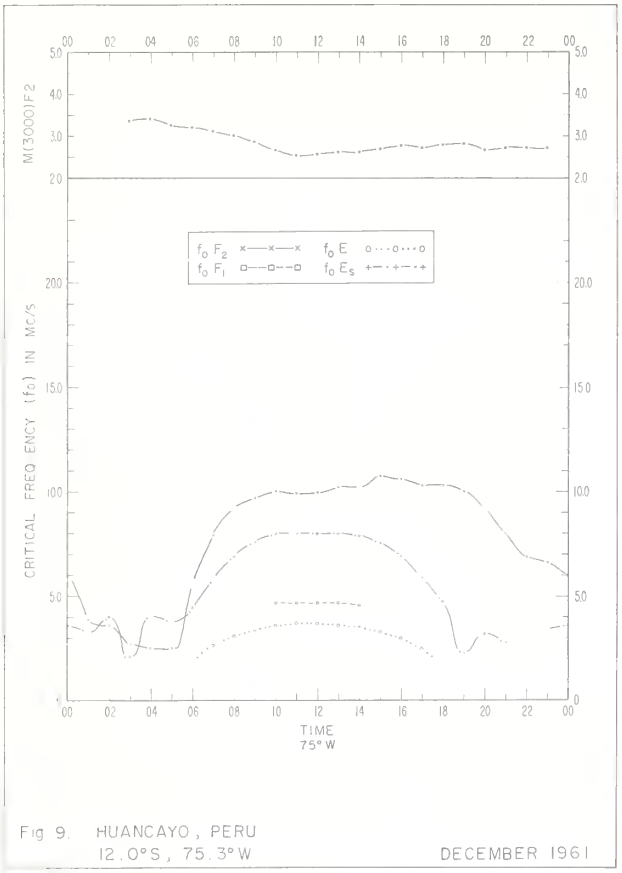

Fig. 9. HUANCAYO, PERU
12.0°S, 75.3°W
DECEMBER 1961

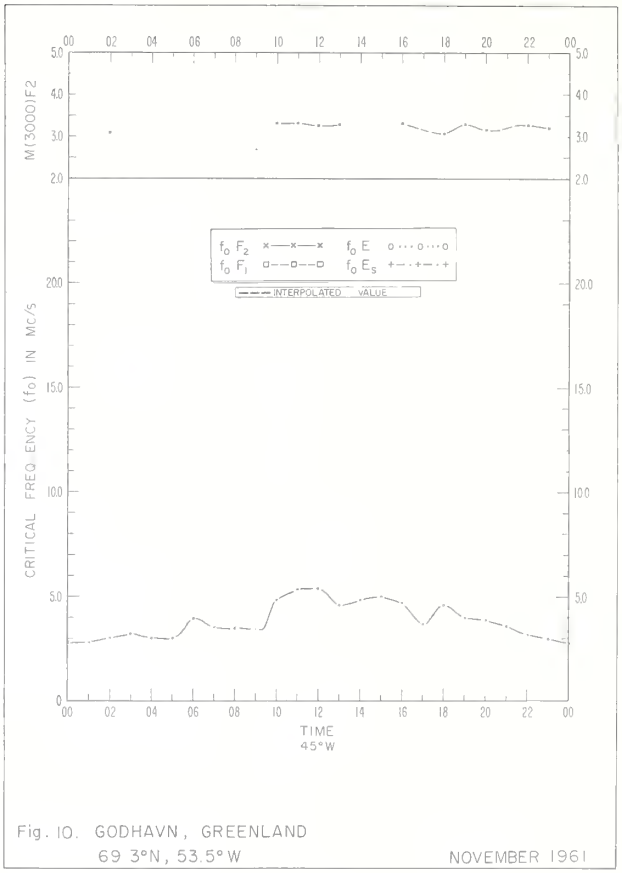

Fig. 10. GODHAVN, GREENLAND
69.3°N, 53.5°W
NOVEMBER 1961

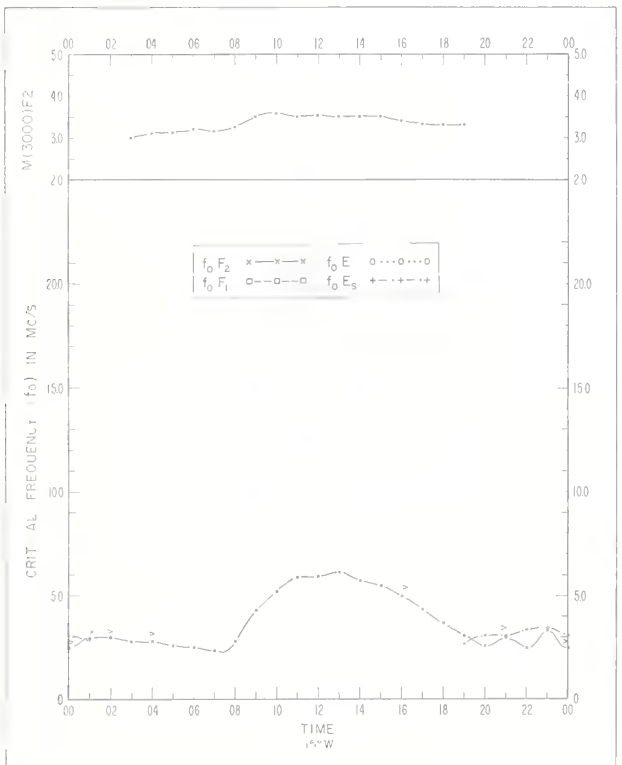

Fig. 11. REYKJAVIK, ICELAND
64.1°N, 21.8°W
NOVEMBER 1961

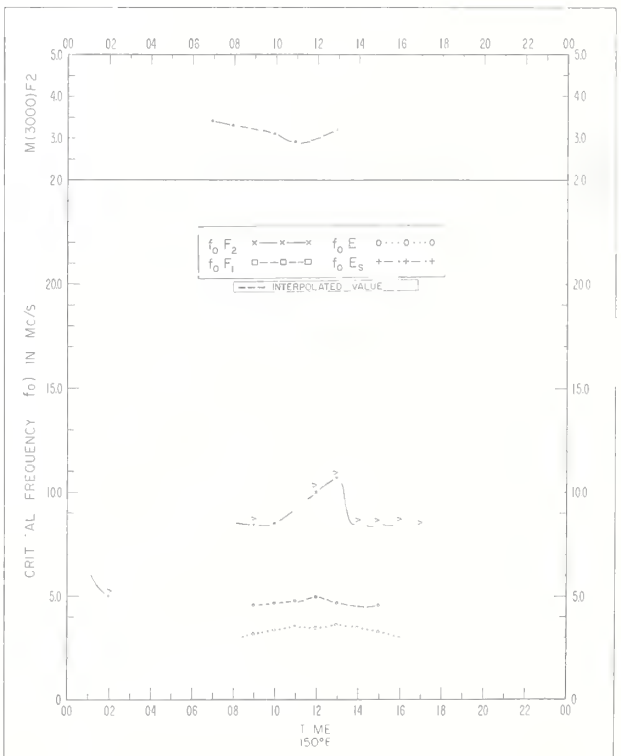

Fig. 12. TOWNSVILLE, AUSTRALIA
19.3°S, 146.7°E
OCTOBER 1961

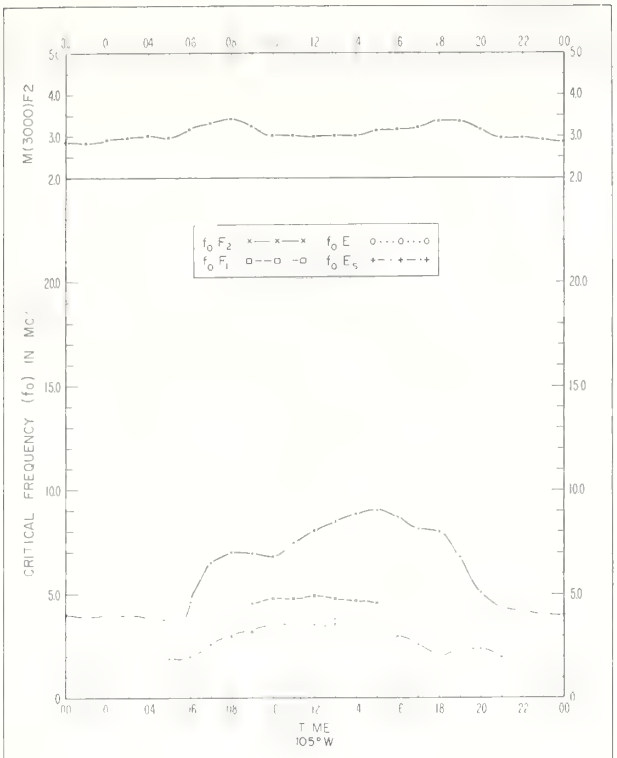

Fig. 13. WHITE SANDS, NEW MEXICO
32.3°N, 106.5°W
SEPTEMBER 1961

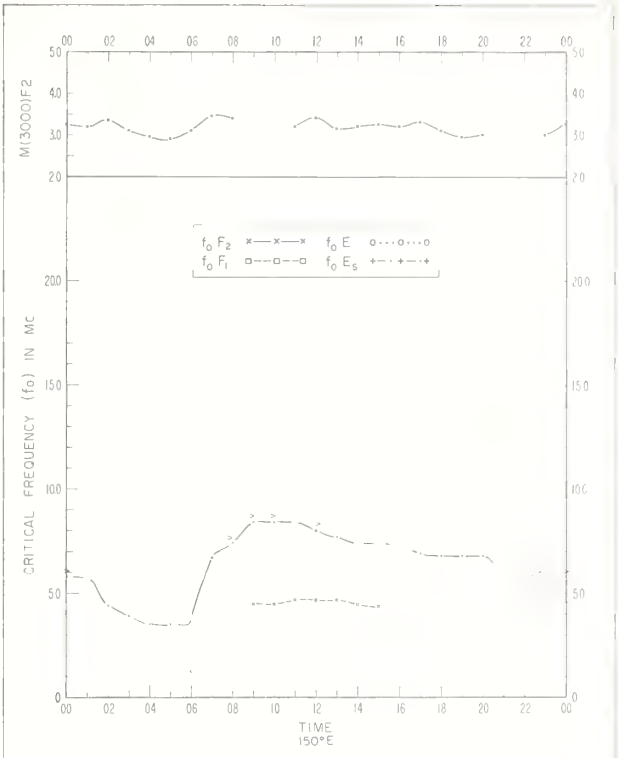

Fig. 14. TOWNSVILLE, AUSTRALIA
19.3°S, 146.7°E
SEPTEMBER 1961

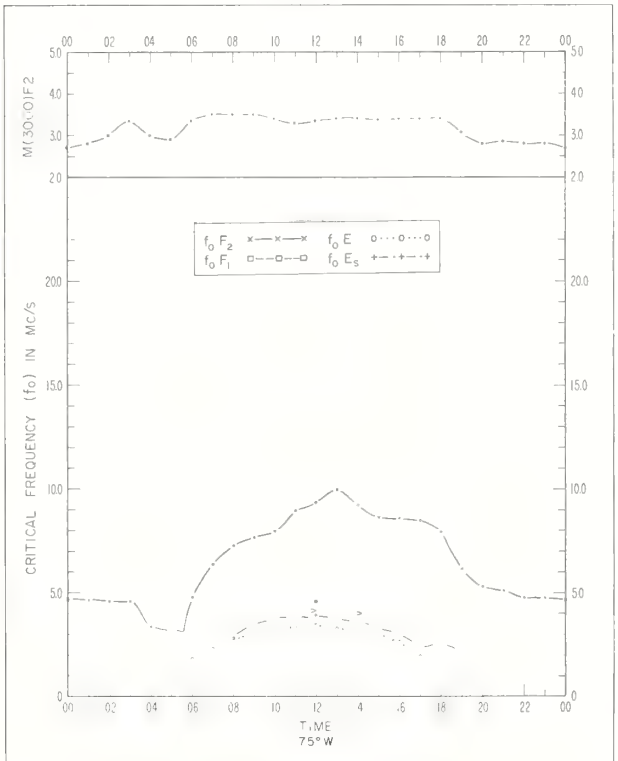

Fig. 15. CONCEPCION, CHILE
36.6°S, 73.0°W
SEPTEMBER 1961

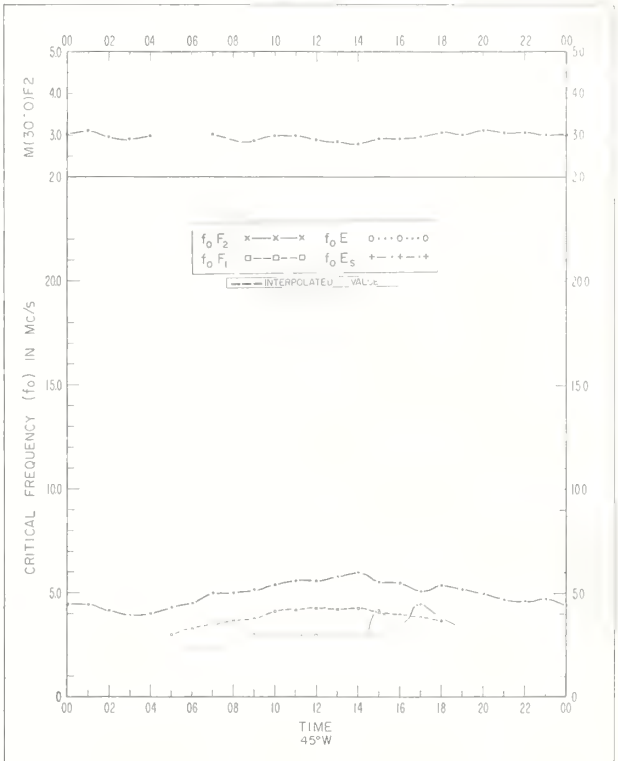

Fig. 16. GODHAVN, GREENLAND
69.3°N, 53.5°W
AUGUST 1961

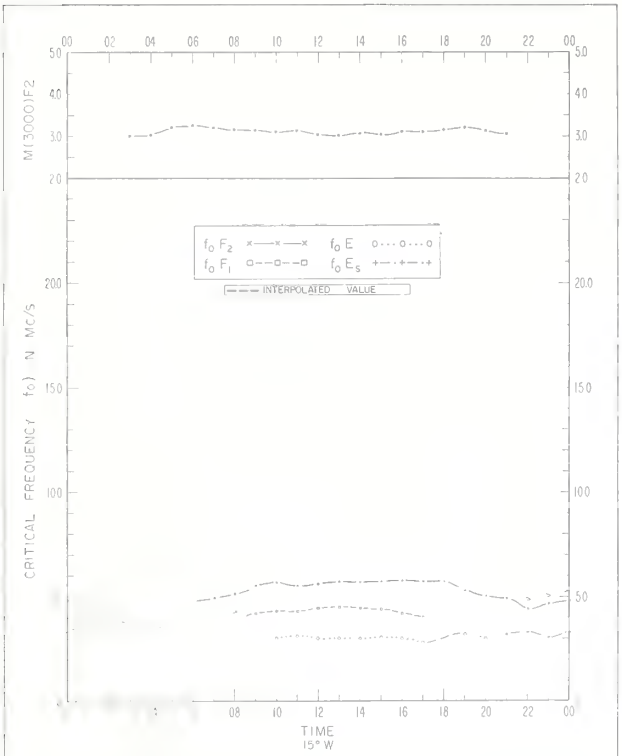

Fig 17 REYKJAVIK, ICELAND
64 1°N, 21 8° W
AUGUST 1961

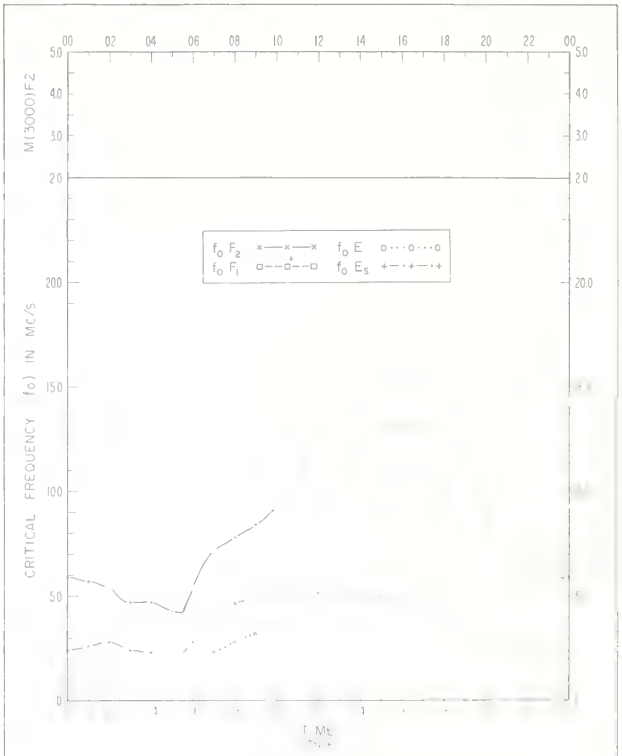

Fig 18. AHMEDABAD, INDIA
23 0°N, 72 6°E
AUGUST 1961

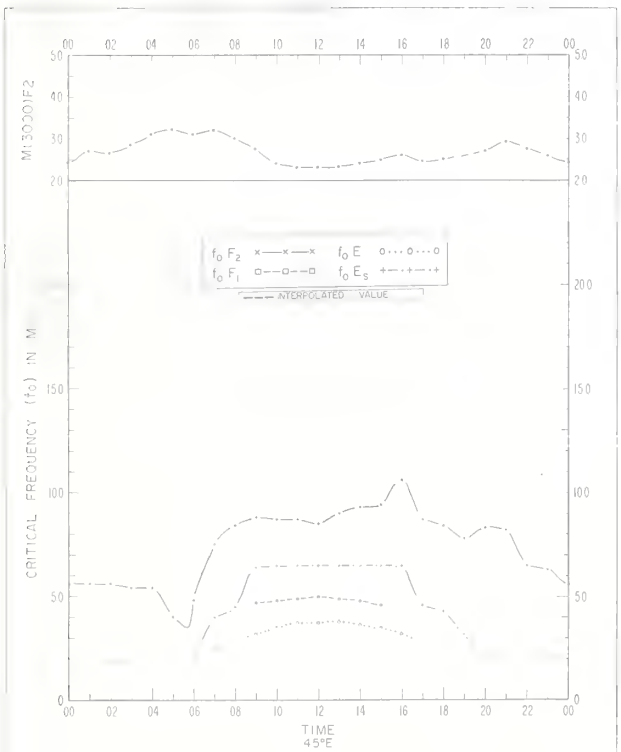

Fig 19. DJIBOUTI, FRENCH SOMALILAND
11.5°N, 42 8°E
AUGUST 1961

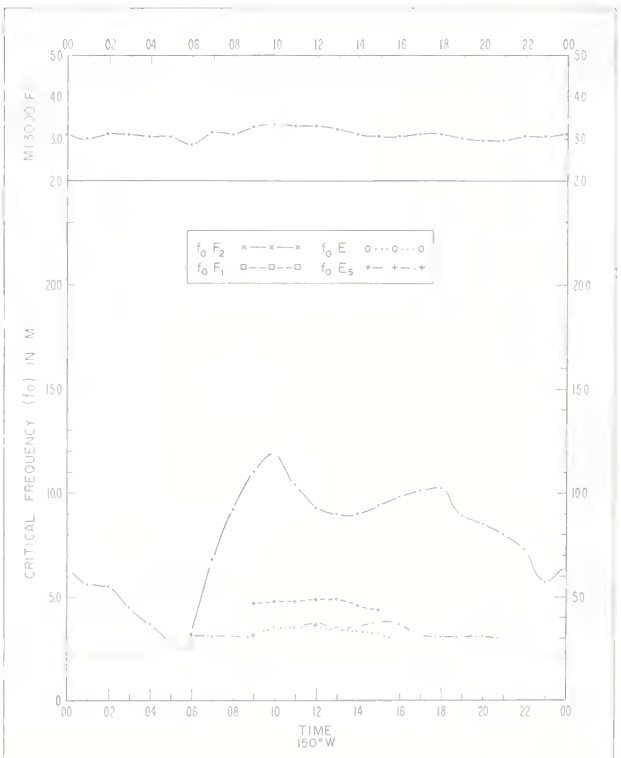

Fig 20. TAHITI, SOCIETY IS.
17 7°S, 149 3°W
AUGUST 1961

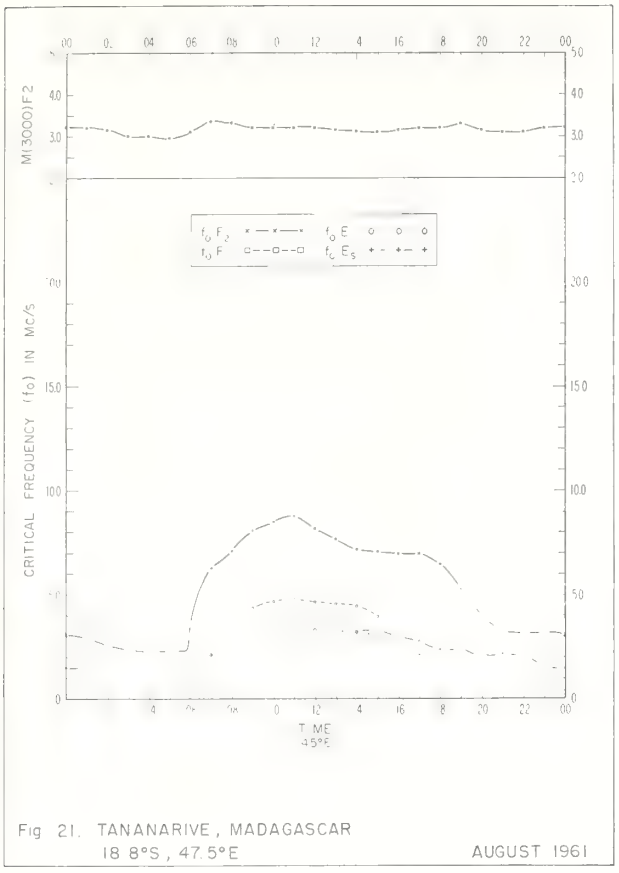

Fig. 21. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E
AUGUST 1961

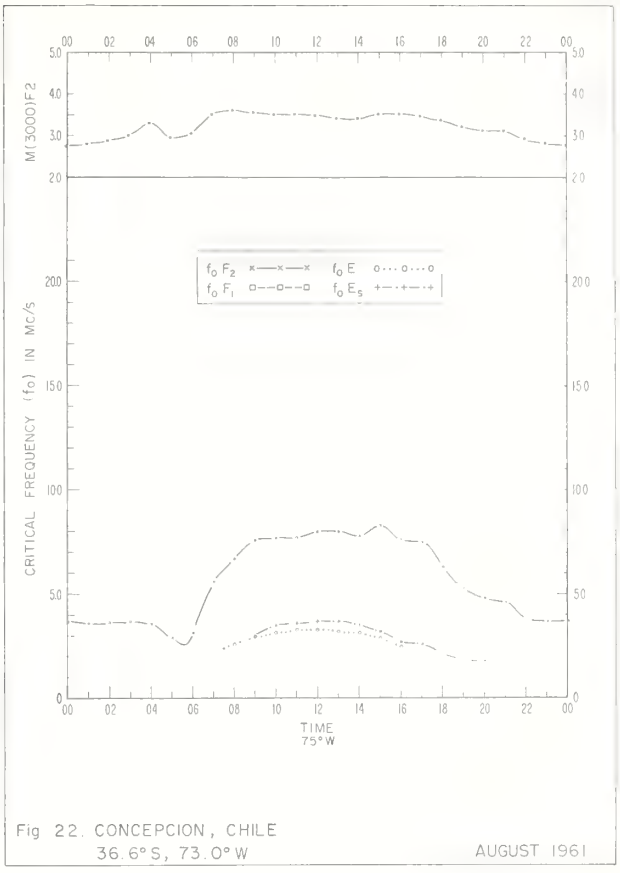

Fig. 22. CONCEPCION, CHILE
36.6°S, 73.0°W
AUGUST 1961

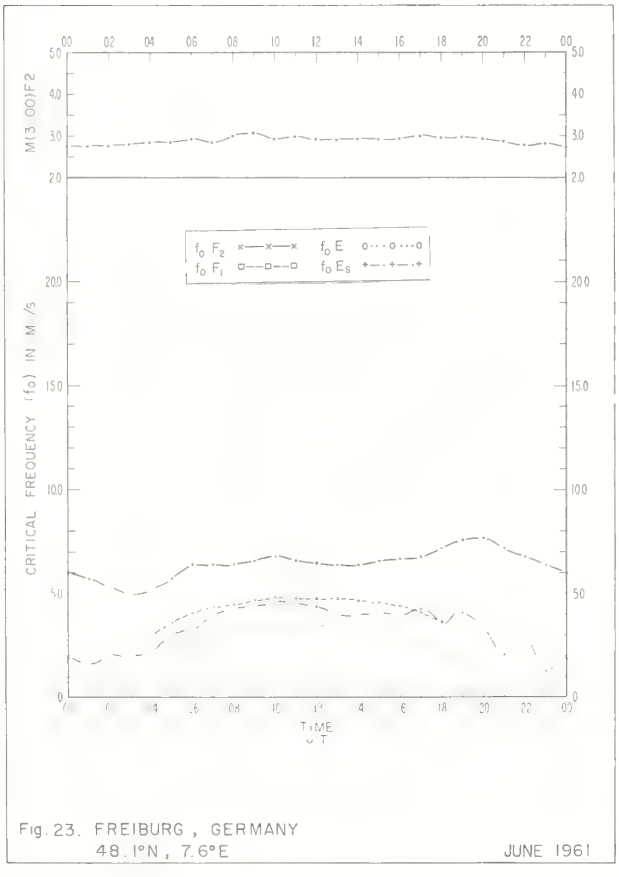

Fig. 23. FREIBURG, GERMANY
48.1°N, 7.6°E
JUNE 1961

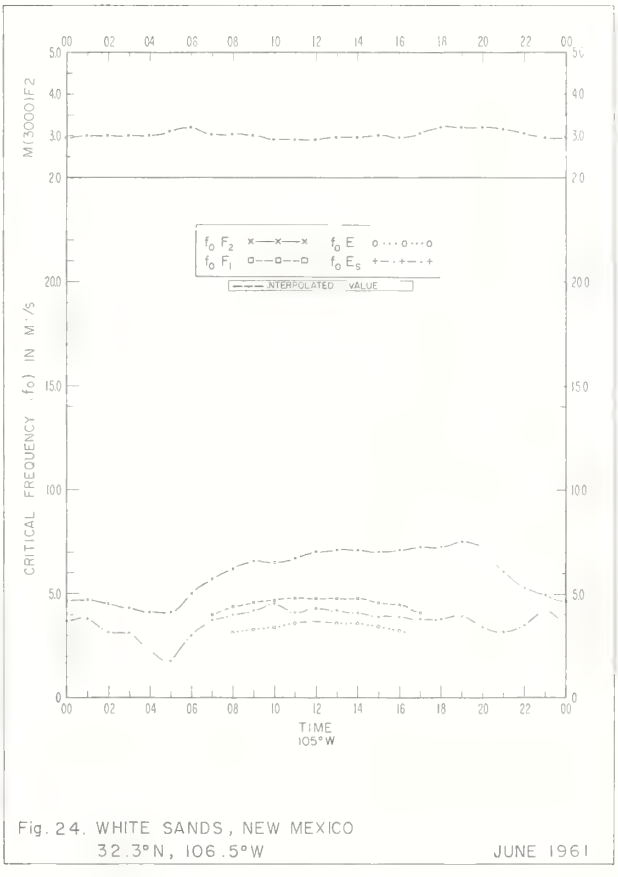

Fig. 24. WHITE SANDS, NEW MEXICO
32.3°N, 106.5°W
JUNE 1961

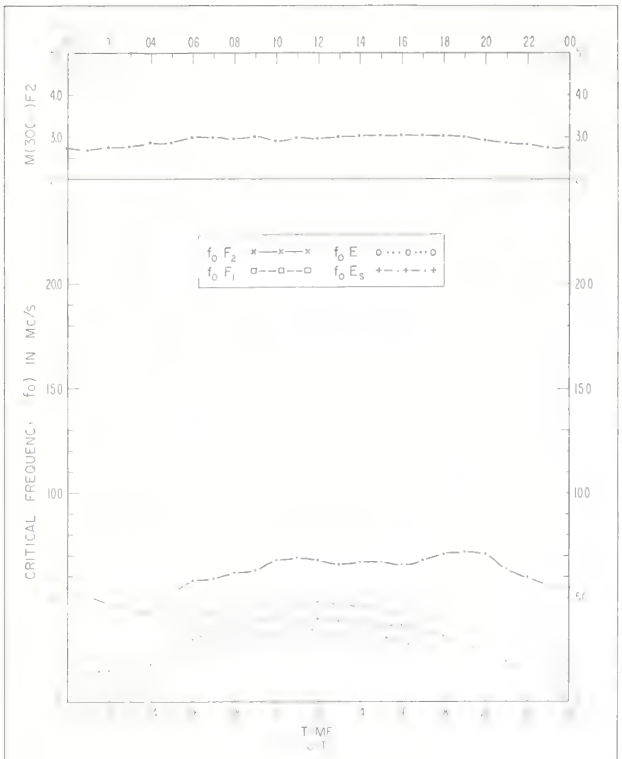

Fig 25. FREIBURG, GERMANY
48 1°N, 7.6°E
MAY 1961

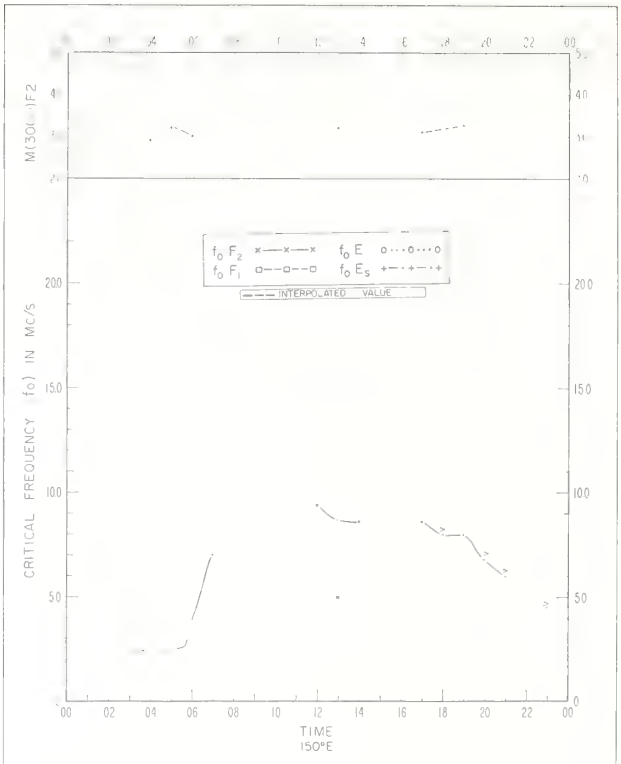

Fig 26. PORT MORESBY
9 4°S, 147 1°E
MAY 1961

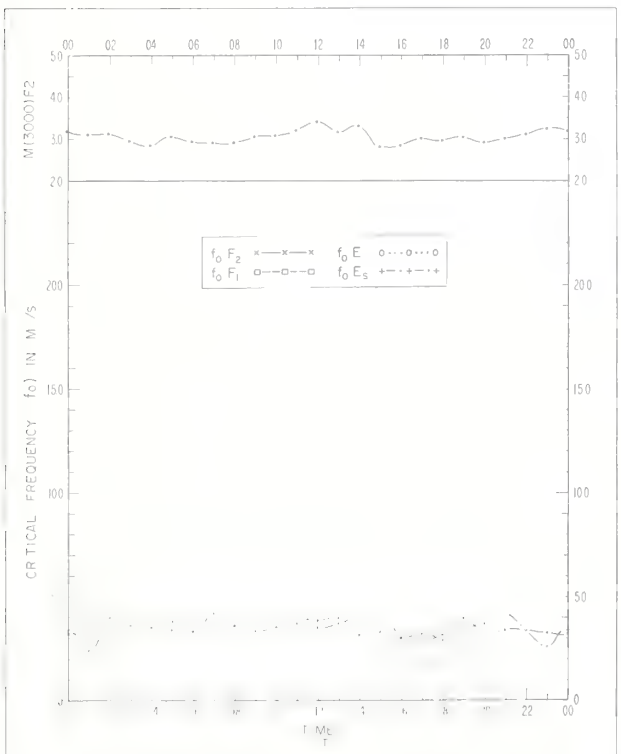

Fig 27 POLE STATION
90 0°S
MAY 1961

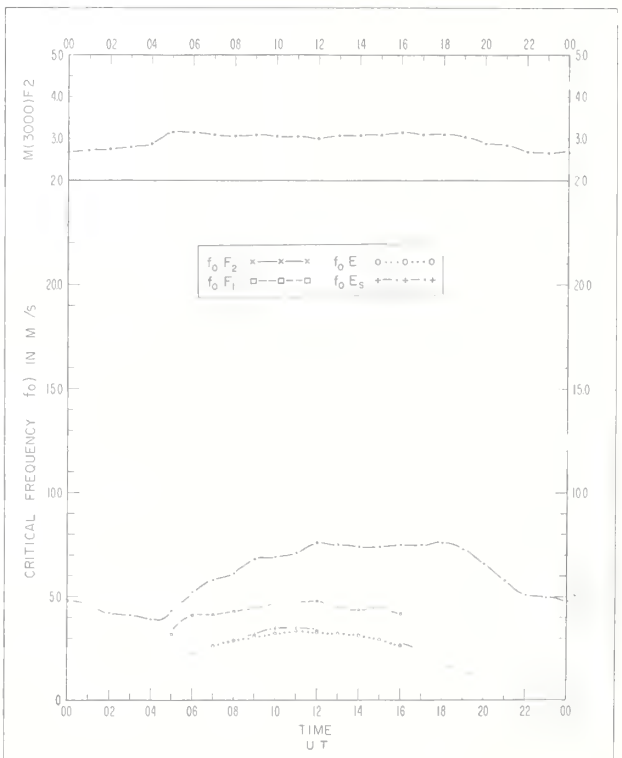

Fig. 28. FREIBURG, GERMANY
48 1°N, 7.6°E
APRIL 1961

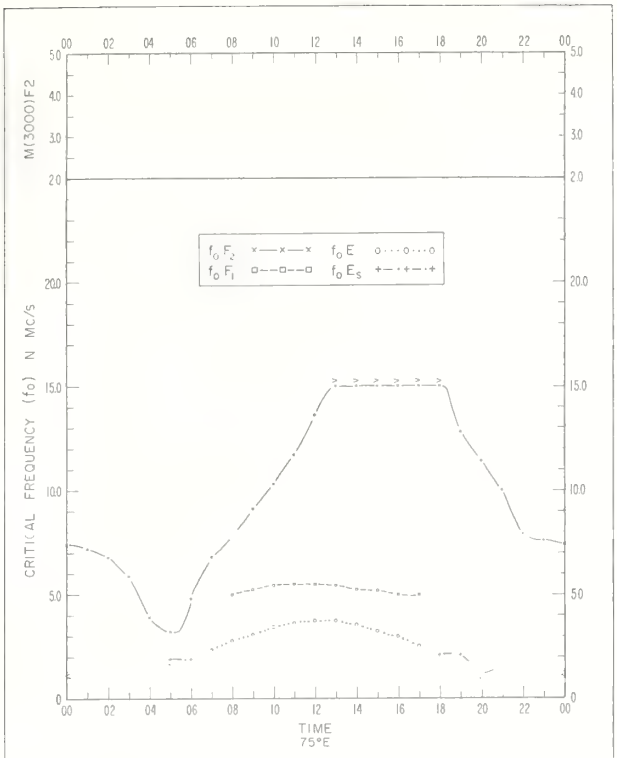

Fig. 29. AHMEDABAD, INDIA
23.0°N, 72.6°E
APRIL 1961

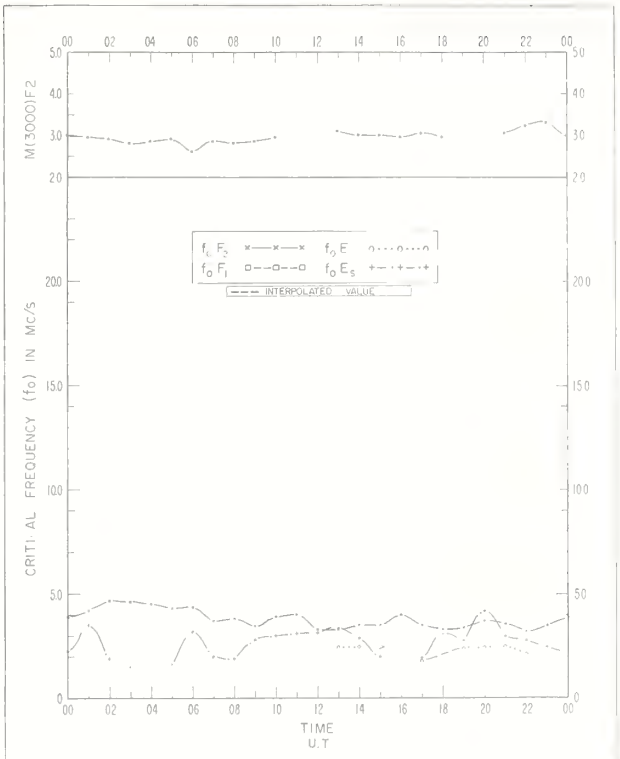

Fig 30 POLE STATION
90 0°S
APRIL 1961

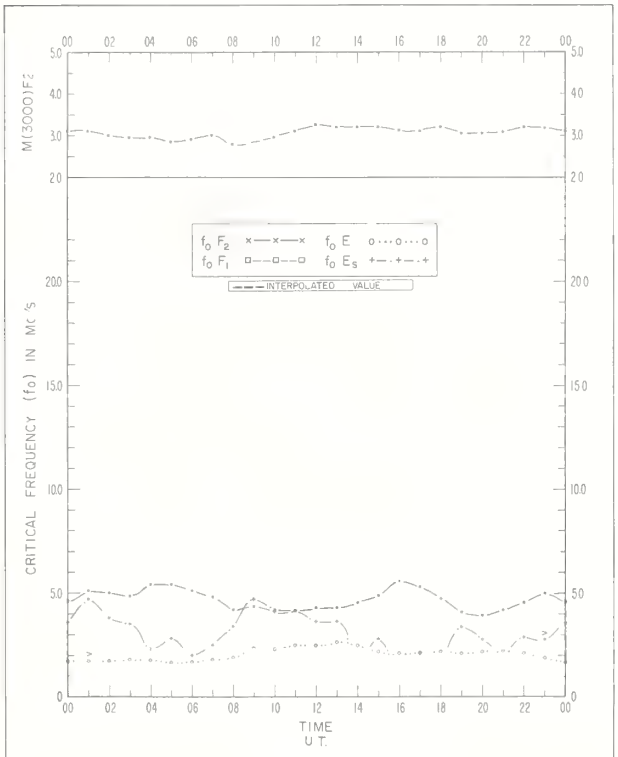

Fig. 31. POLE STATION
90.0°S
MARCH 1961

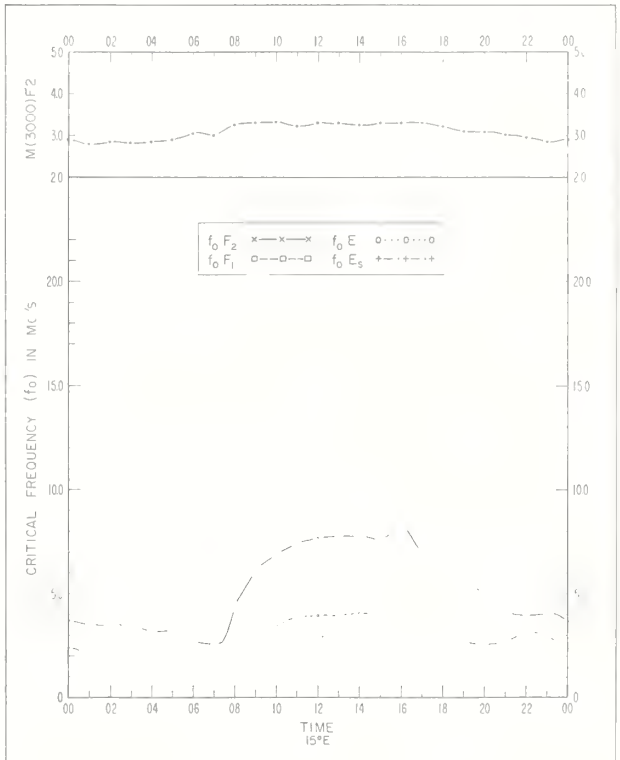

Fig. 32. PARIS, FRANCE
48.1°N, 2.3°E
FEBRUARY 1961

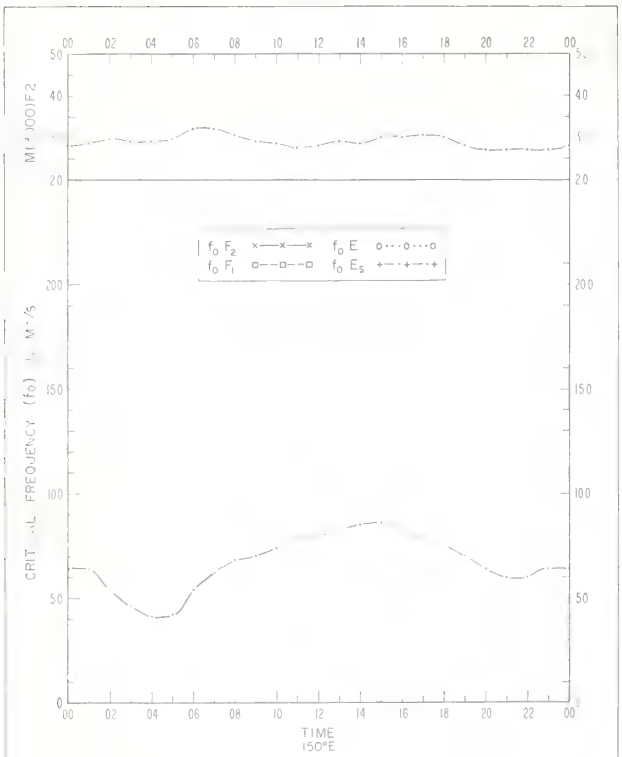

Fig 33 BRISBANE, AUSTRALIA
27 5°S, 152 9°E
FEBRUARY 1961

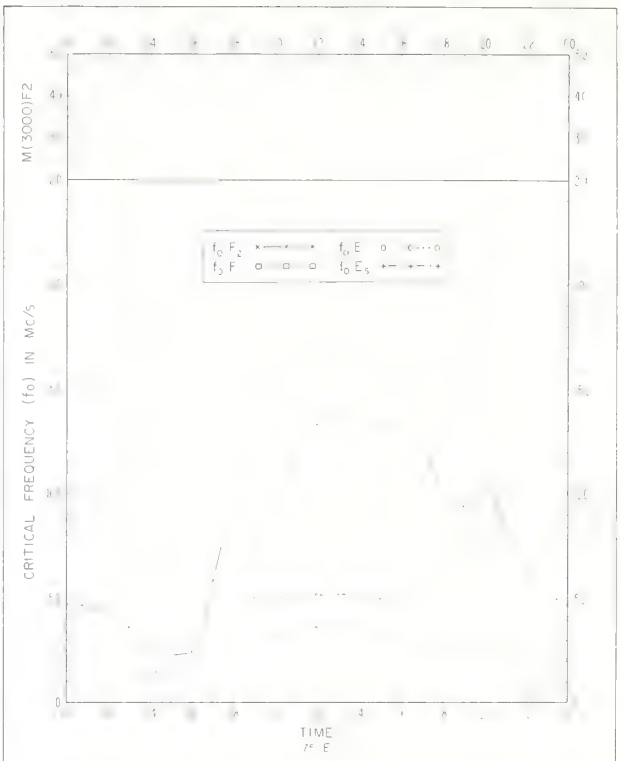

Fig 34 AHMEDABAD, INDIA
23 0°N, 72 6°E
JANUARY 1961

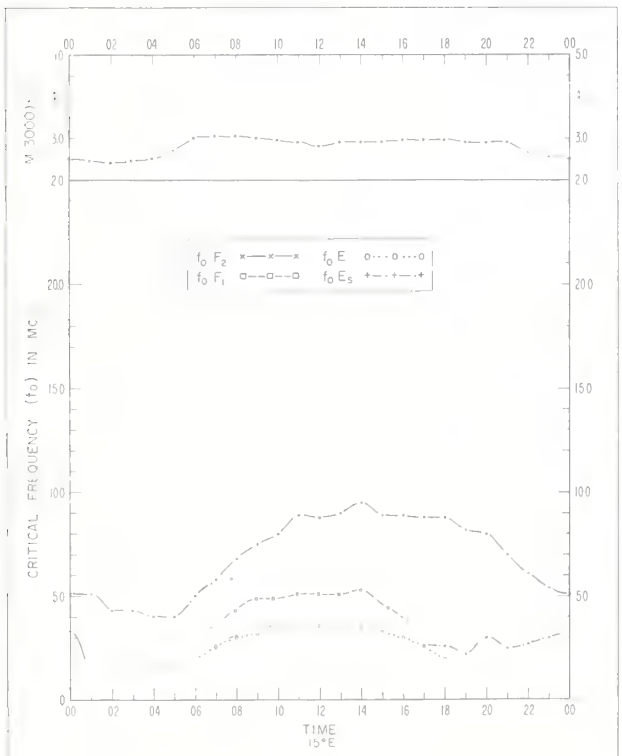

Fig 35. JULIUSRUH/RUGEN, GERMANY
54 6°N, 13 4°E
SEPTEMBER 1960

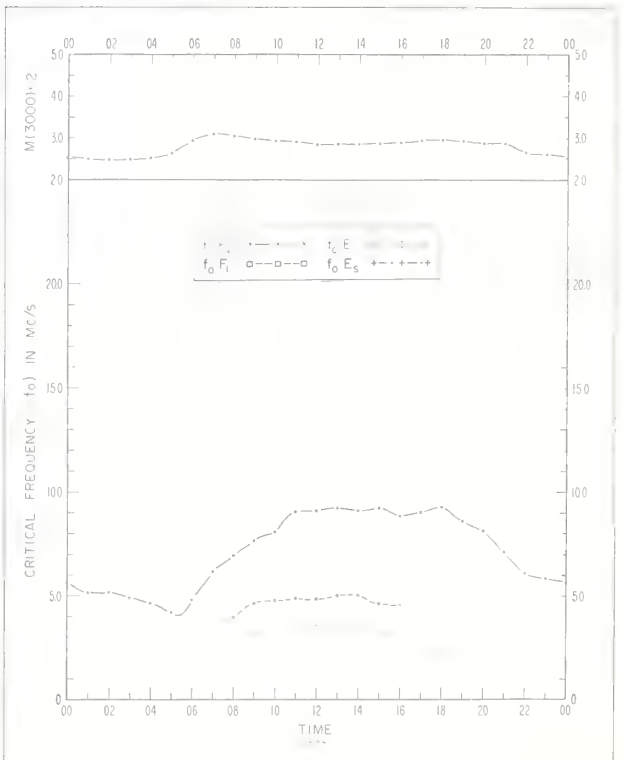

Fig 36 LINDAU/HARZ, GERMANY
51 6°N, 10 1°E
SEPTEMBER 1960

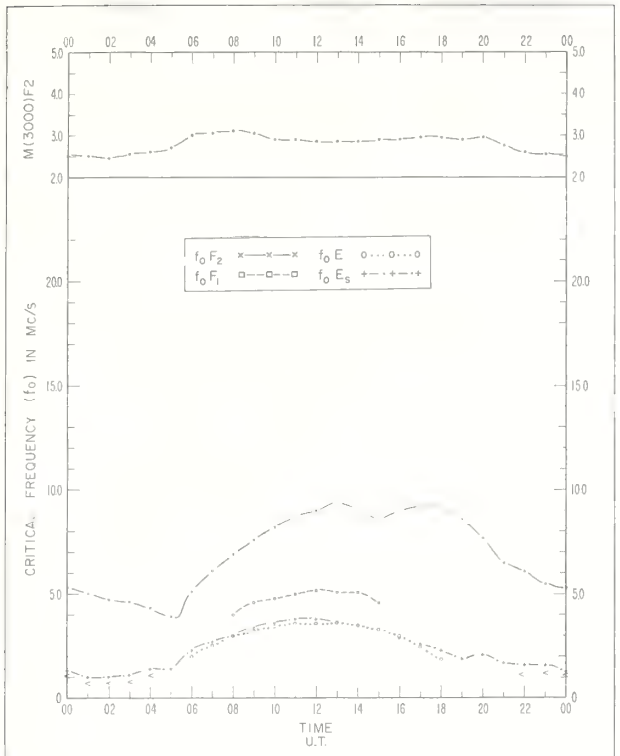

Fig 37. SLOUGH, ENGLAND
51 5°N, 0.6°W
SEPTEMBER 1960

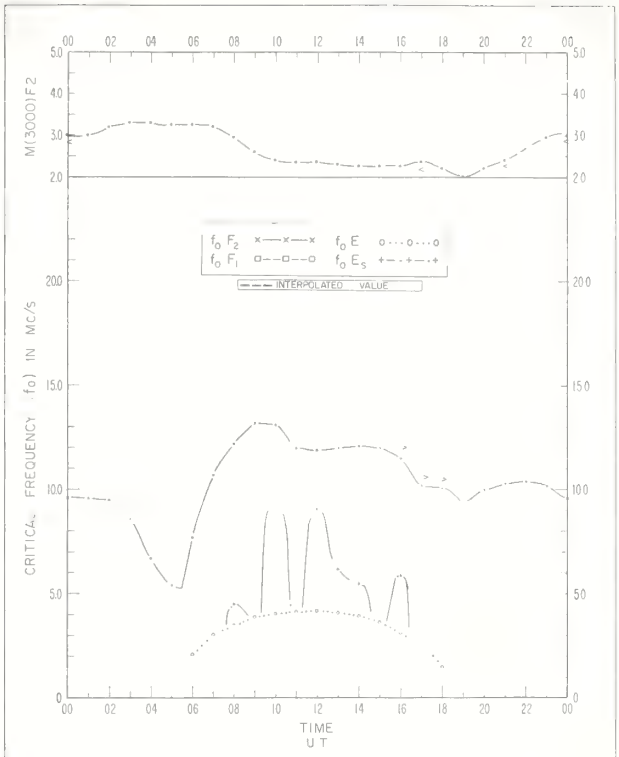

Fig 38. IBADAN, NIGERIA
7.4°N, 3.9°E
SEPTEMBER 1960

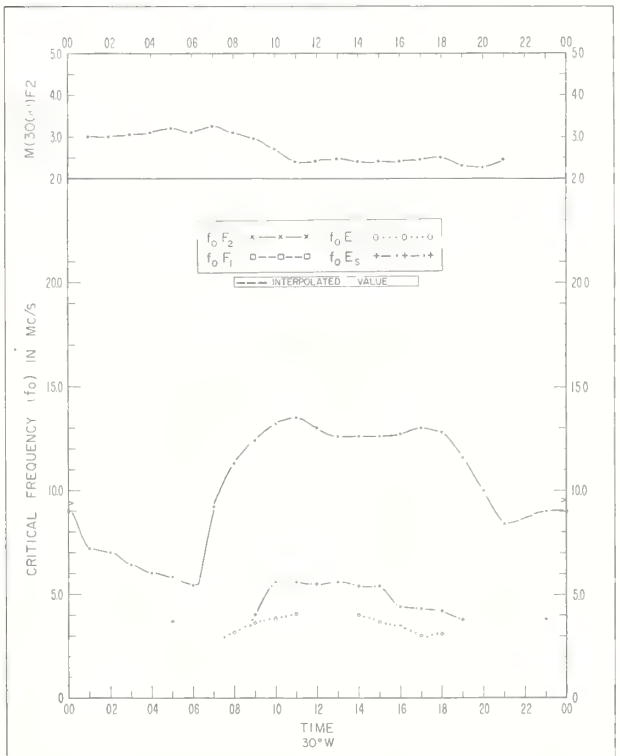

Fig. 39. NATAL, BRAZIL
5.7°S, 35.2°W
SEPTEMBER 1960

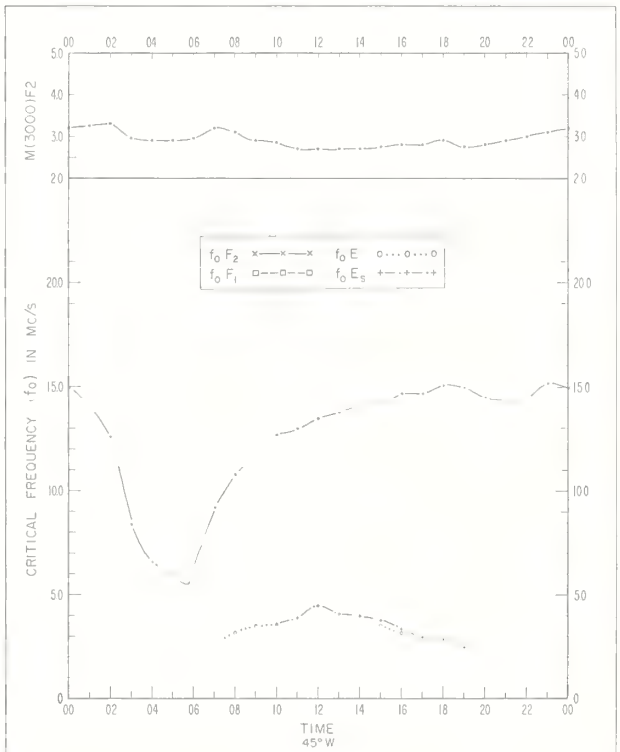

Fig 40. SAO PAULO, BRAZIL
23.5°S, 46.5°W
SEPTEMBER 1960

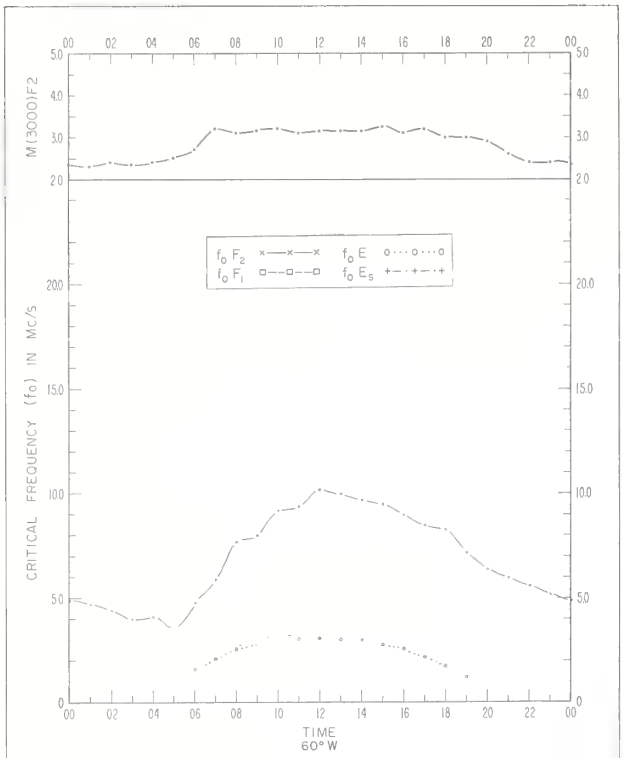

Fig. 41. PORT LOCKOY
64 8°S, 63 5°W
SEPTEMBER 1960

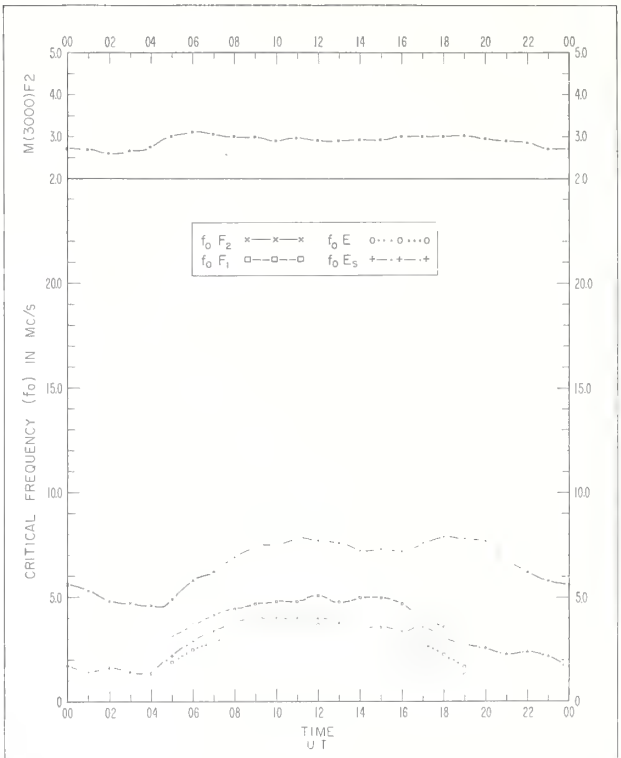

Fig 42. DOURBES, BELGIUM
50.1°N, 4.6°E
AUGUST 1960

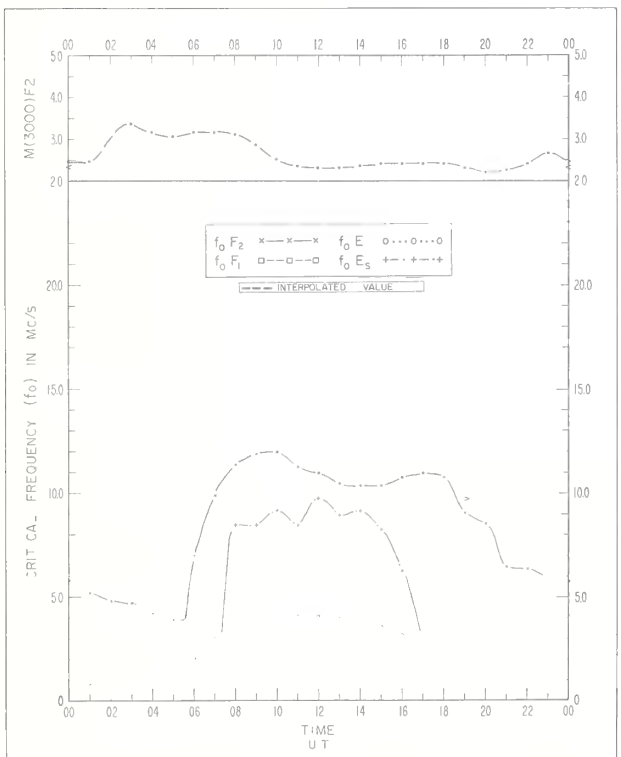

Fig 43 IBADAN, NIGERIA
7.4°N, 3.9°E
JULY 1960

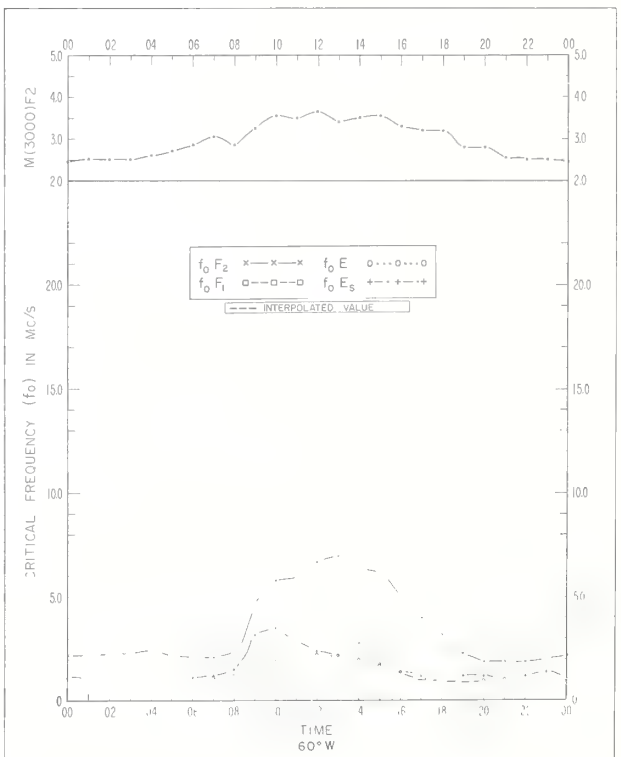

Fig 44. PORT LOCKROY
64. 8°S, 63 5° W
JULY 1960

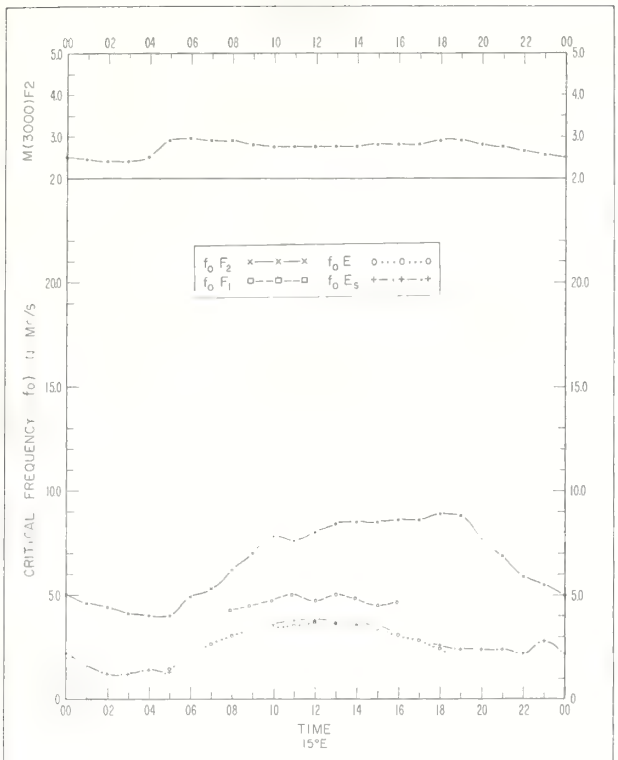

Fig 45. JULIUSRUH/RUGEN, GERMANY
54 6°N, 13 4°E
APRIL 1960

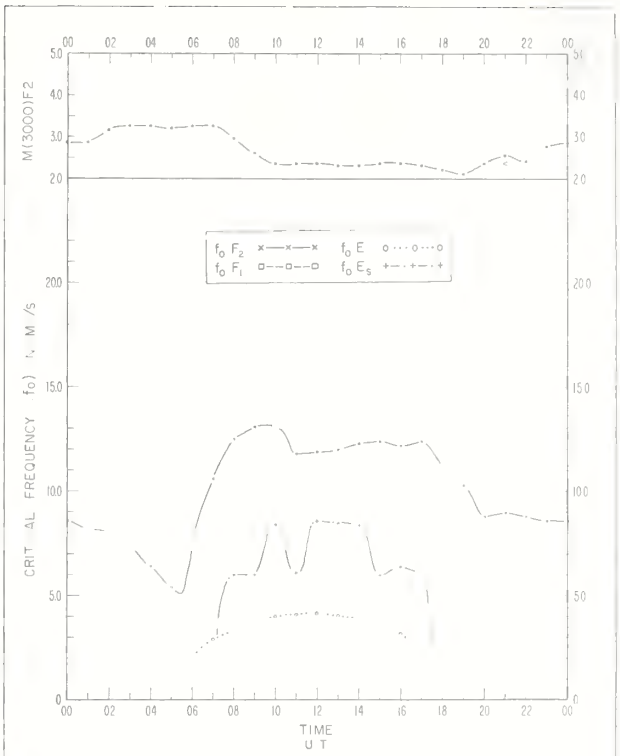

Fig. 46. IBADAN, NIGERIA
7.4°N, 3 9°E
APRIL 1960

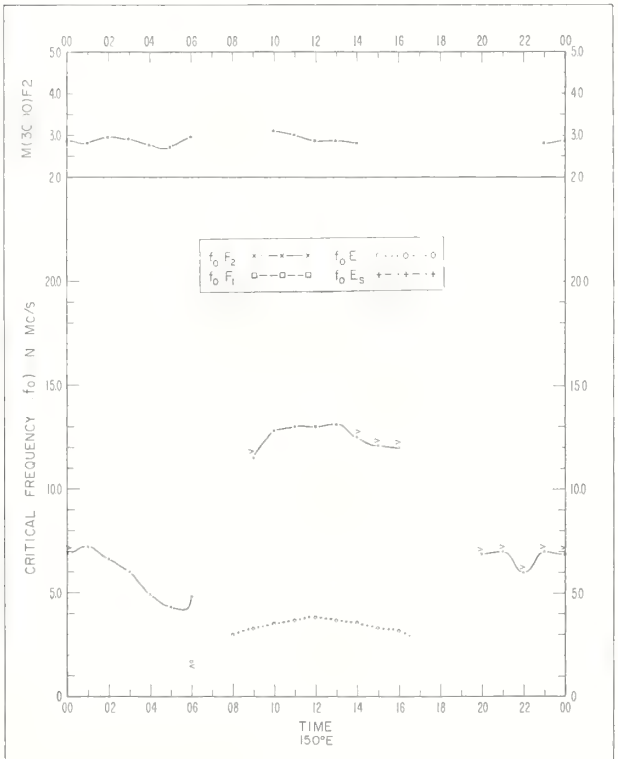

Fig. 47. TOWNSVILLE, AUSTRALIA
19. 3°S, 146.7°E
APRIL 1960

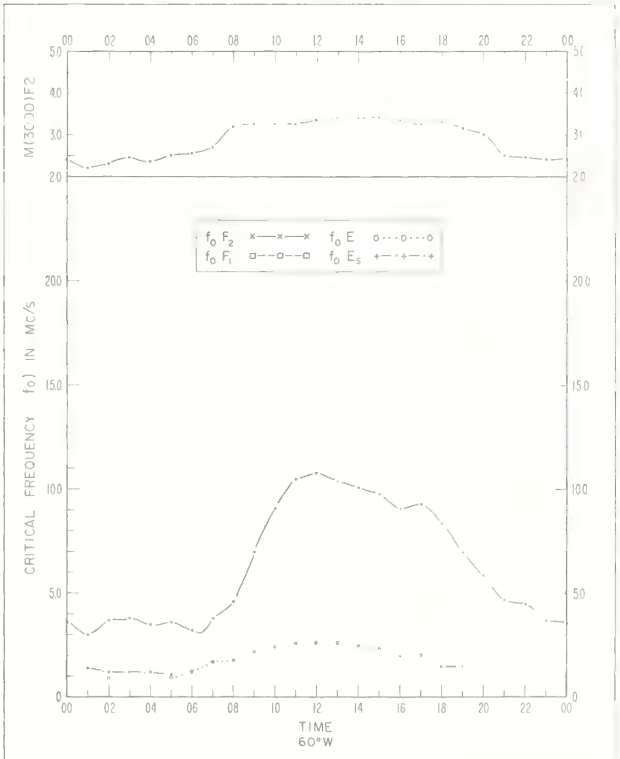

Fig. 48. PORT LOCKROY
64. 8°S, 63 5° W
APRIL 1960

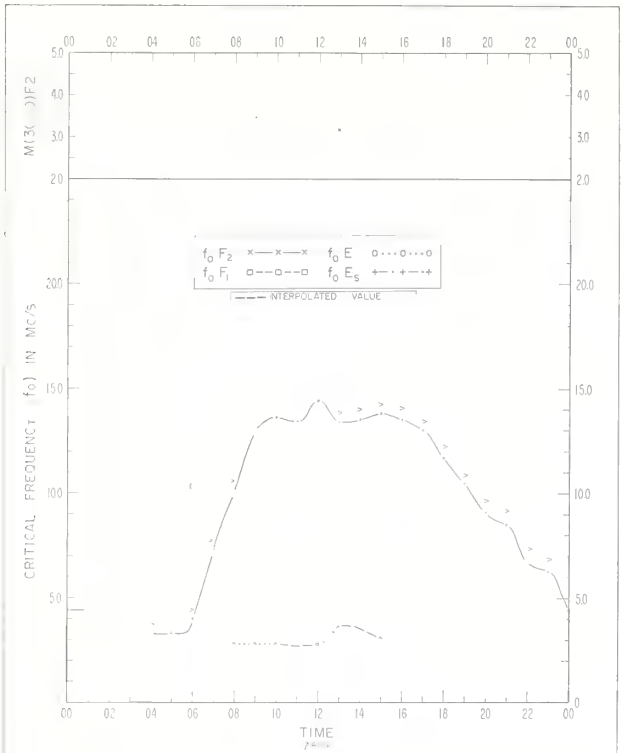

Fig 49 DELHI, INDIA
28 6°N, 77 2°E
JANUARY 1960

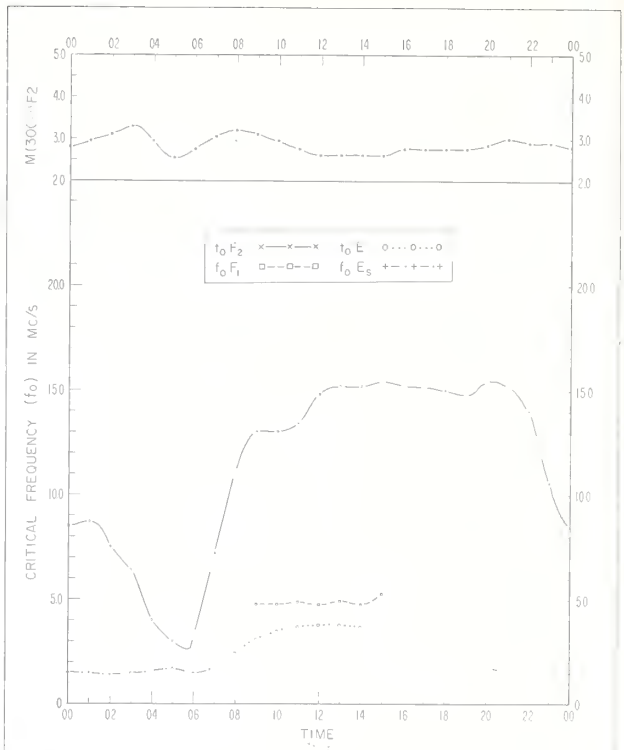

Fig 50. AHMEDABAD, INDIA
23 0°N, 72 6°E
JANUARY 1960

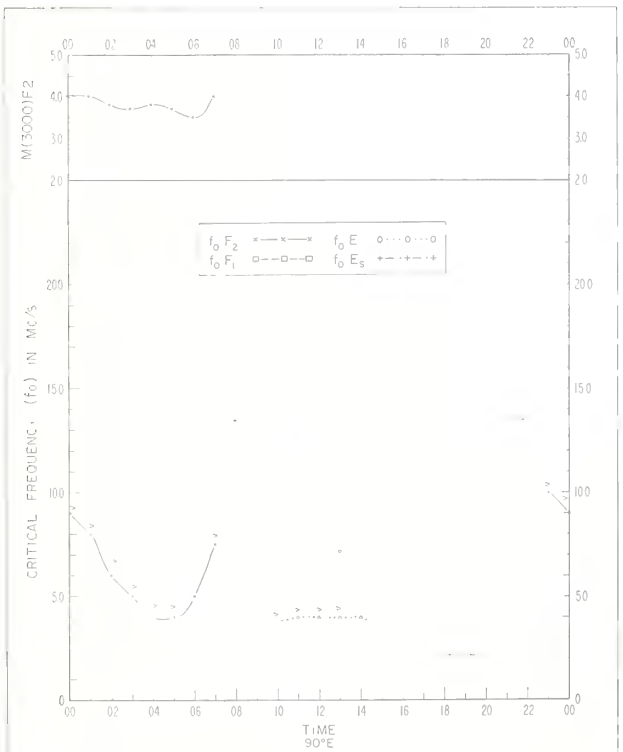

Fig 51. CALCUTTA, INDIA
23 0°N, 88.6°E
JANUARY 1960

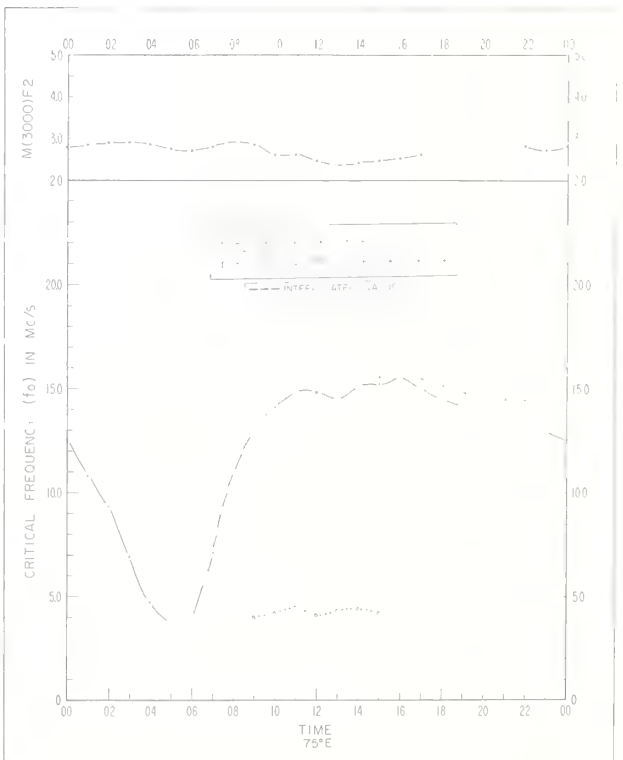

Fig. 52. BOMBAY, INDIA
19.0°N, 72 8°E
JANUARY 1960

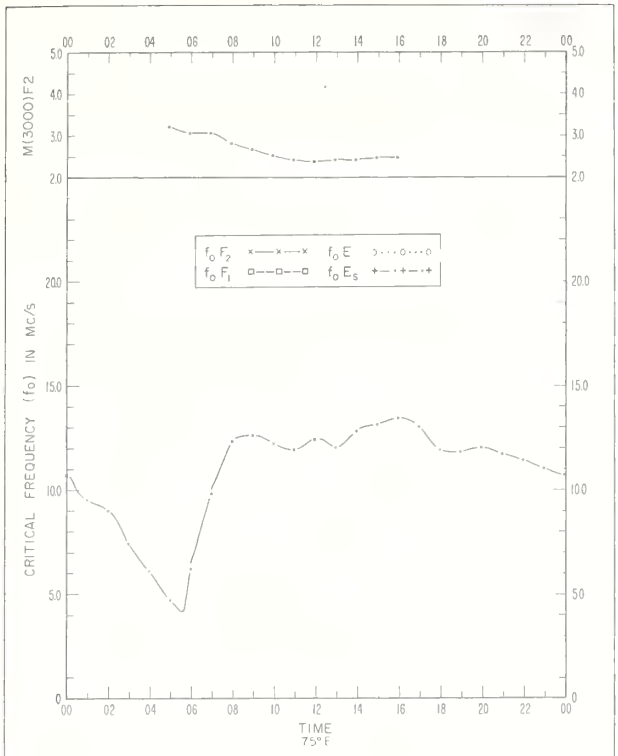

Fig. 53. MADRAS, INDIA
13.1°N, 80.3°E
JANUARY 1960

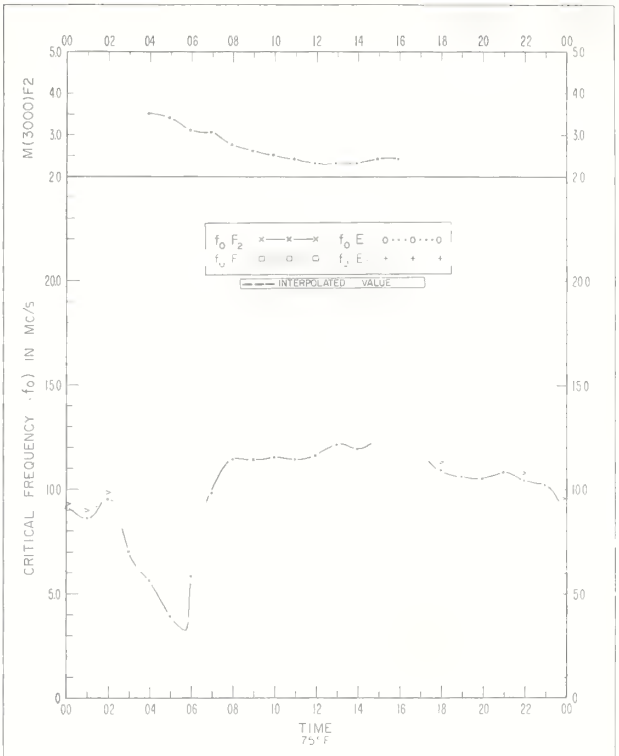

Fig. 54. TIRUCHY, INDIA
10.8°N, 78.7°E
JANUARY 1960

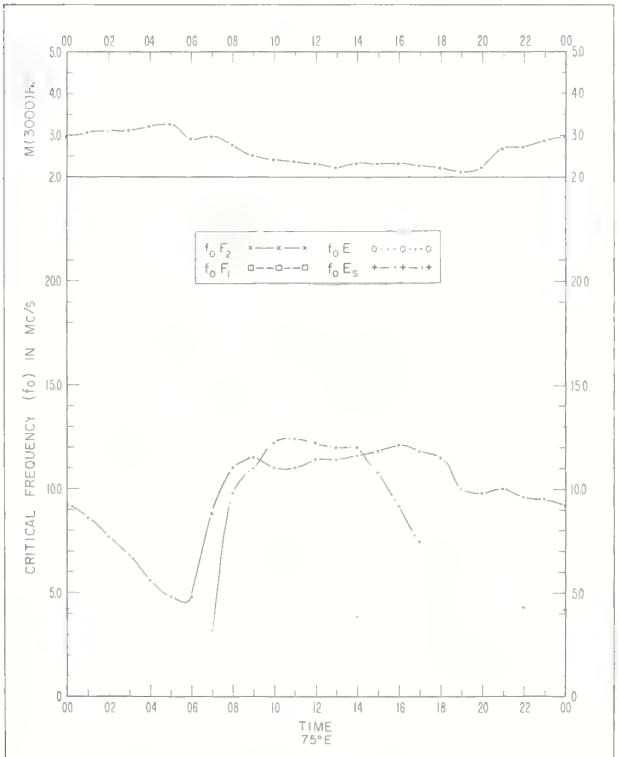

Fig 55. KODAIKANAL, INDIA
10.2°N, 77.5°E
JANUARY 1960

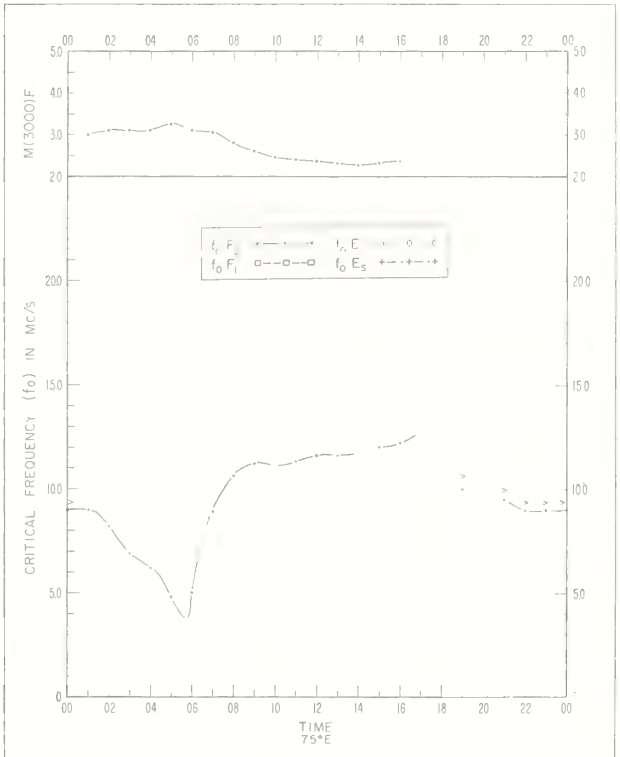

Fig 56. TRIVANDRUM, INDIA
8.5°N, 77.0°E
JANUARY 1960

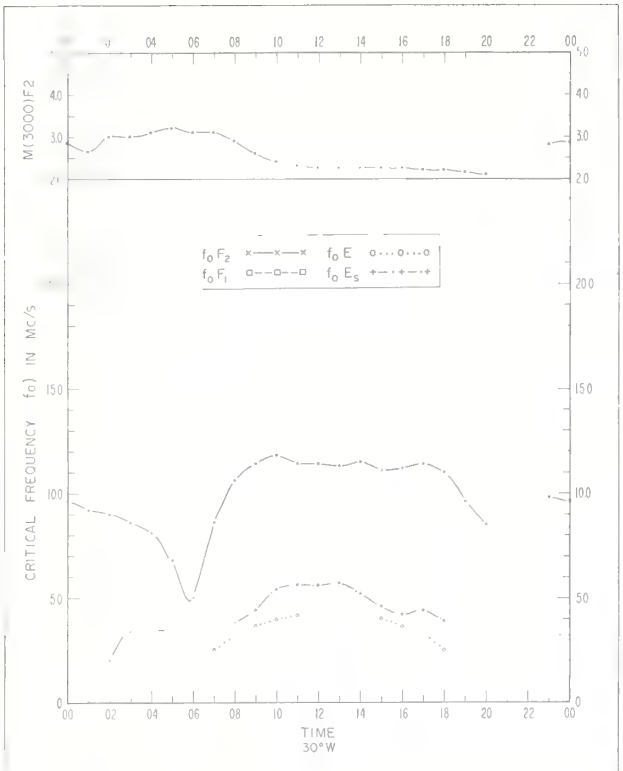

Fig 57 NATAL , BRAZIL
5 7°S, 35 2°W
JANUARY 1960

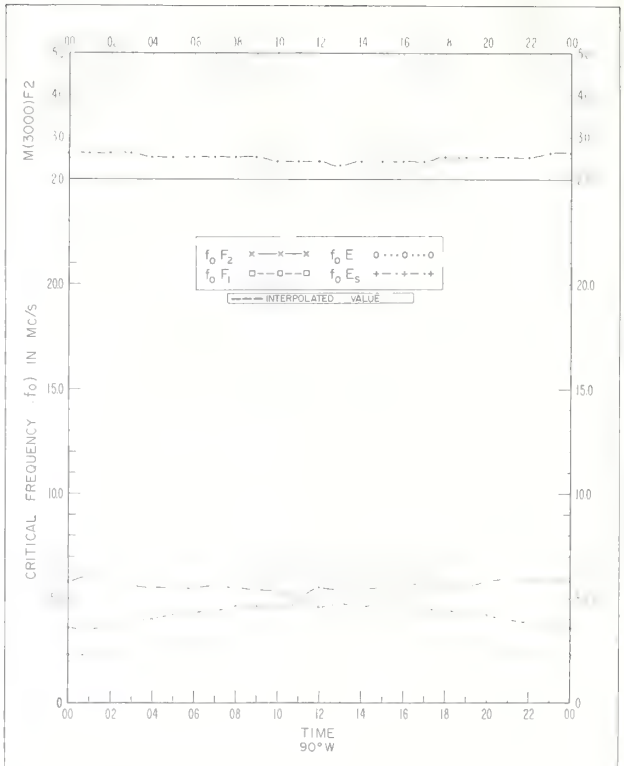

Fig 58 RESOLUTE BAY, CANADA
74 7°N, 94 9°W
JUNE 1959

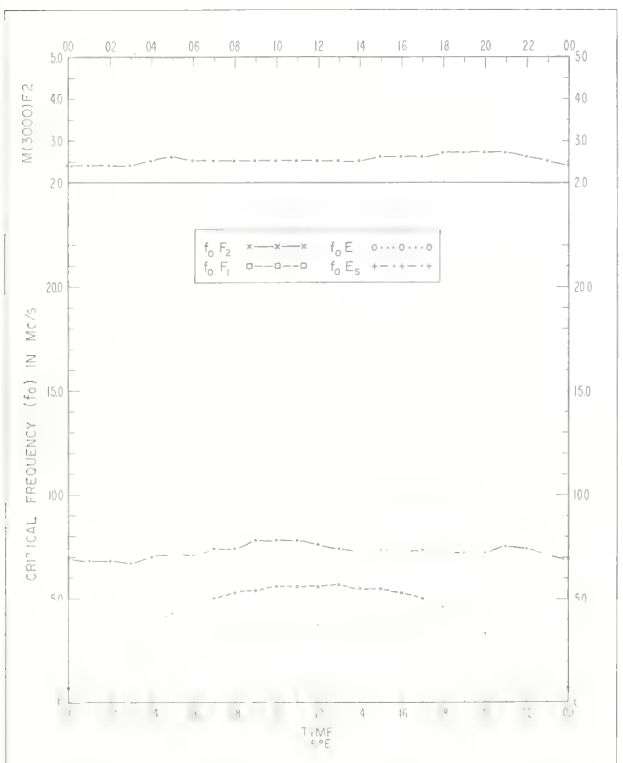

Fig 59. UPPSALA , SWEDEN
59 8°N, 17 6°E
JUNE 1959

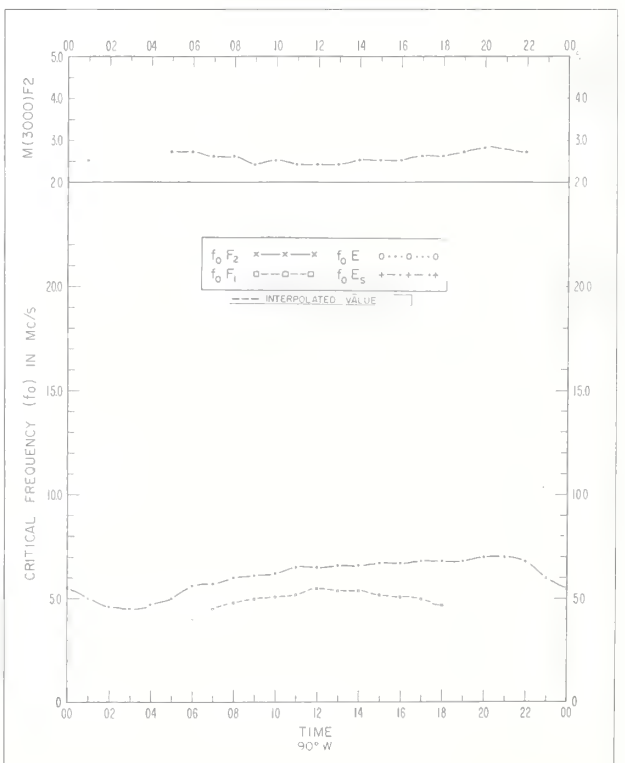

Fig 60. WINNIPEG , CANADA
49 9°N, 97.4° W
JUNE 1959

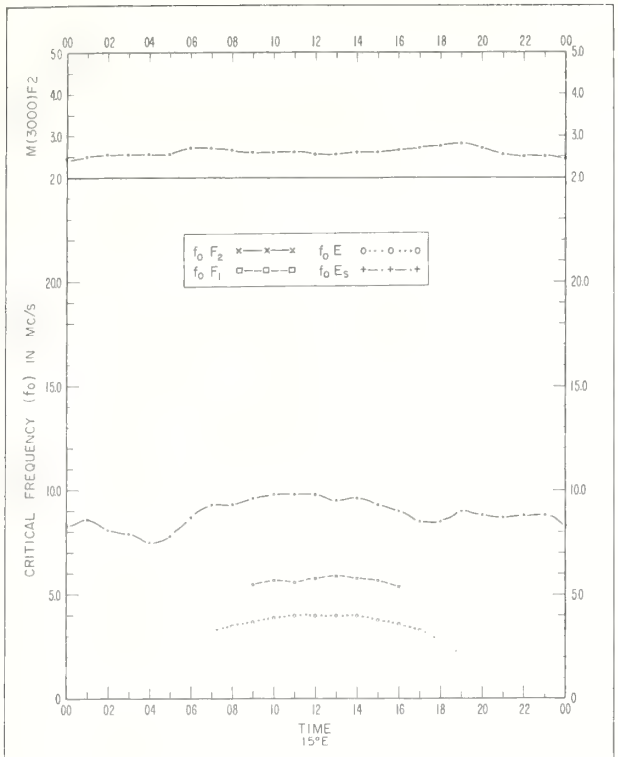

Fig. 61. ROME, ITALY
41.8°N, 12.5°E
JUNE 1959

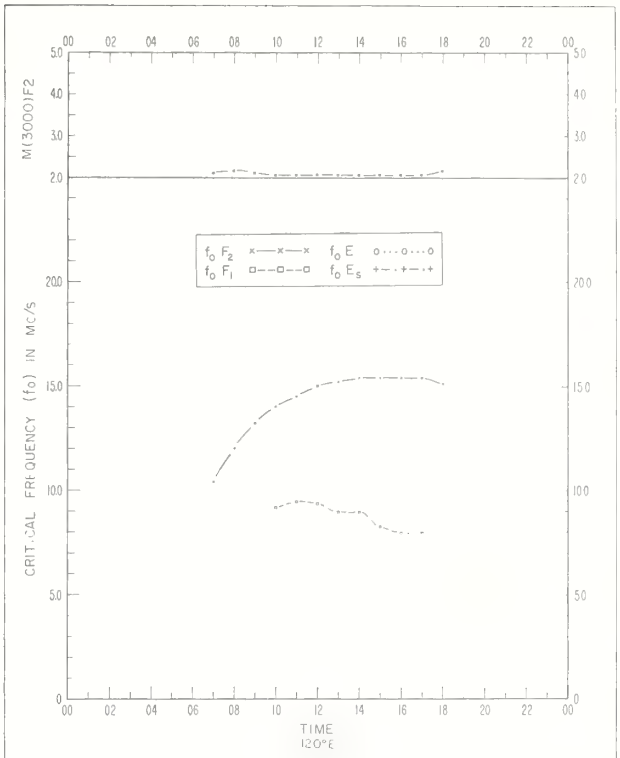

Fig. 62. MACAU
22.2°N, 113.6°E
APRIL 1959

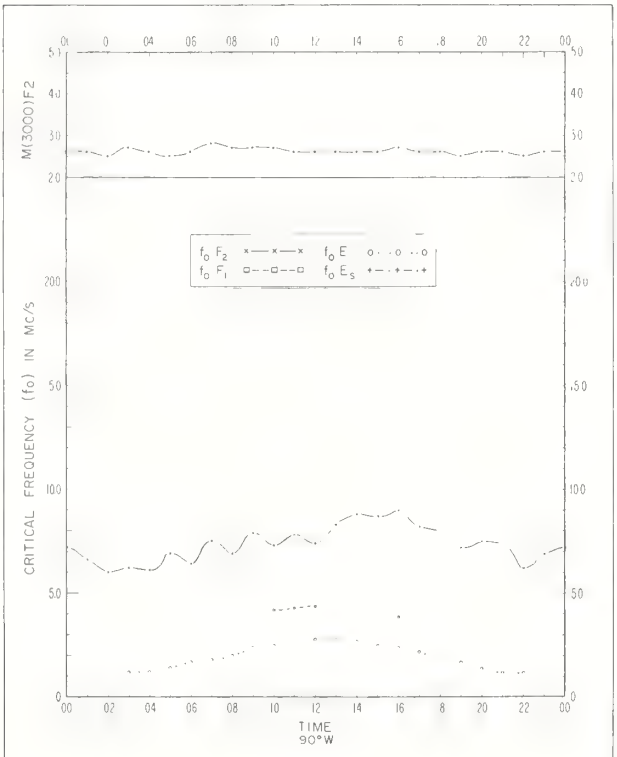

Fig. 63. RESOLUTE BAY, CANADA
74.7°N, 94.9°W
MARCH 1959

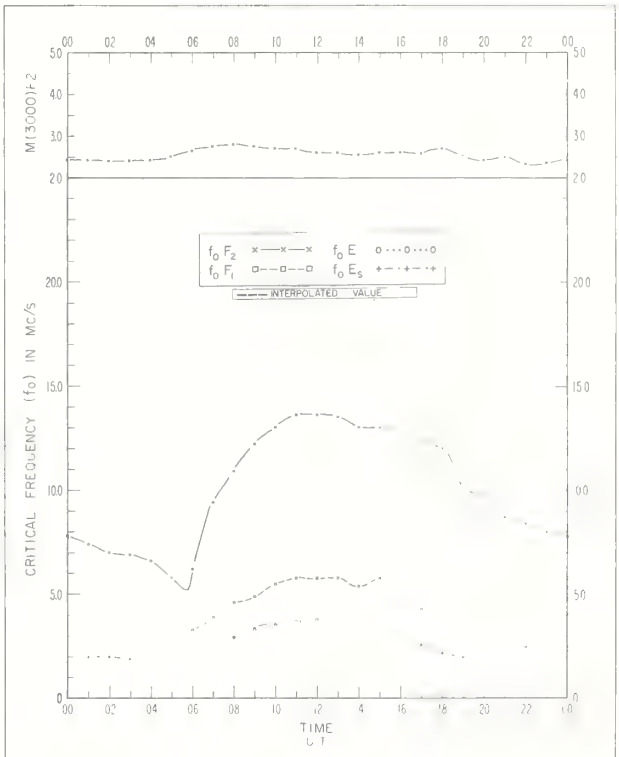

Fig. 64 POITIERS, FRANCE
46.6°N, 0.3°E
MARCH 1959

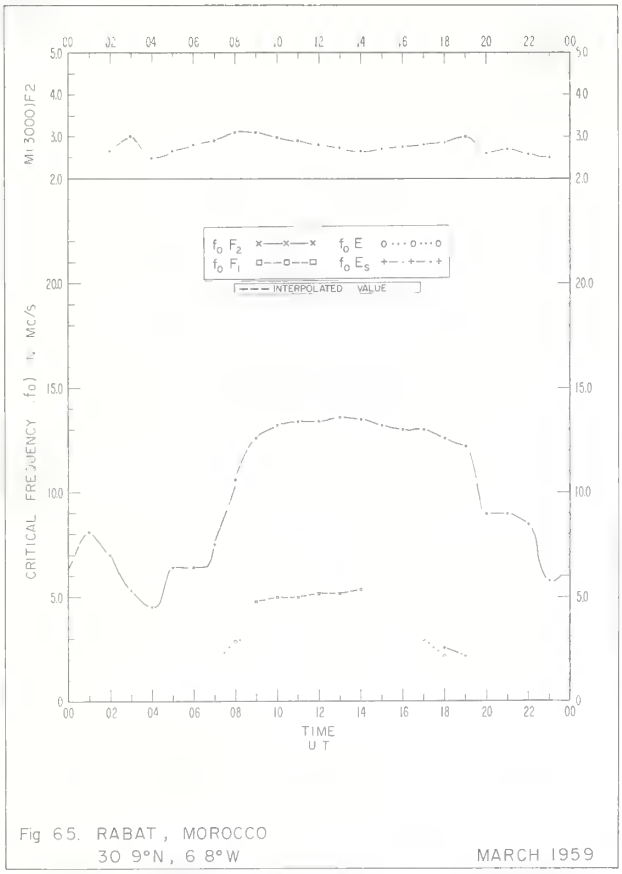

Fig 65. RABAT, MOROCCO
30 9°N, 6 8°W
MARCH 1959

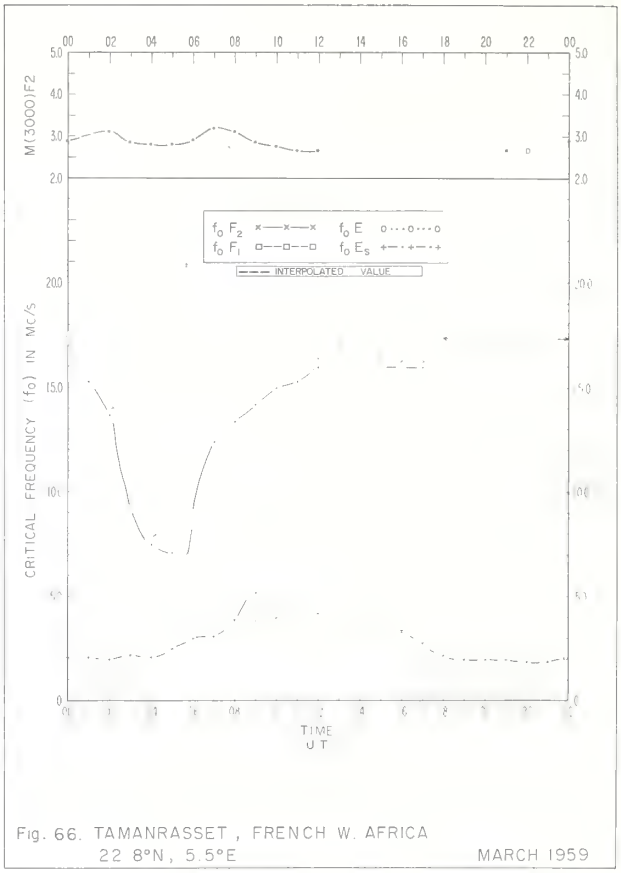

Fig. 66. TAMANRASSET, FRENCH W. AFRICA
22 8°N, 5.5°E
MARCH 1959

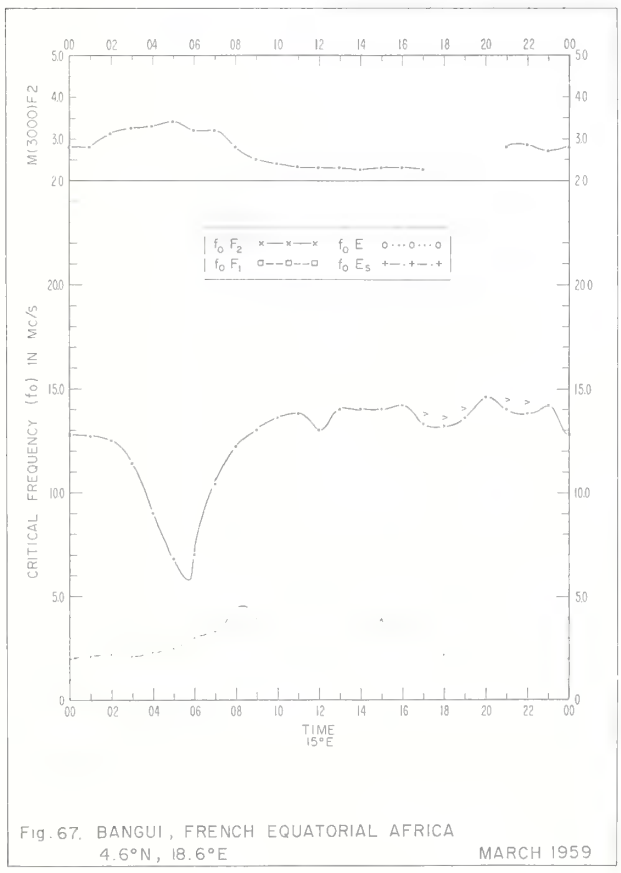

Fig. 67. BANGUI, FRENCH EQUATORIAL AFRICA
4.6°N, 18.6°E
MARCH 1959

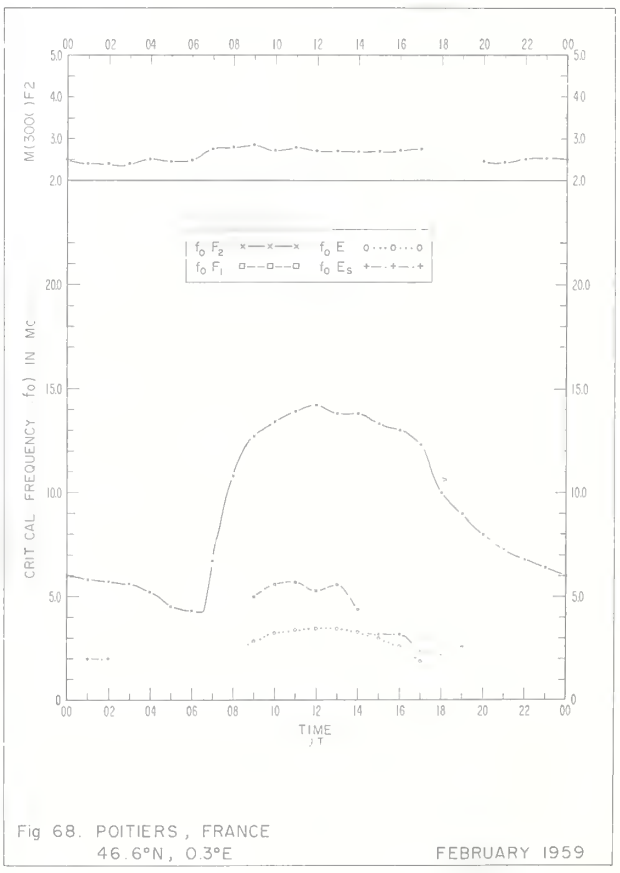

Fig 68. POITIERS, FRANCE
46.6°N, 0.3°E
FEBRUARY 1959

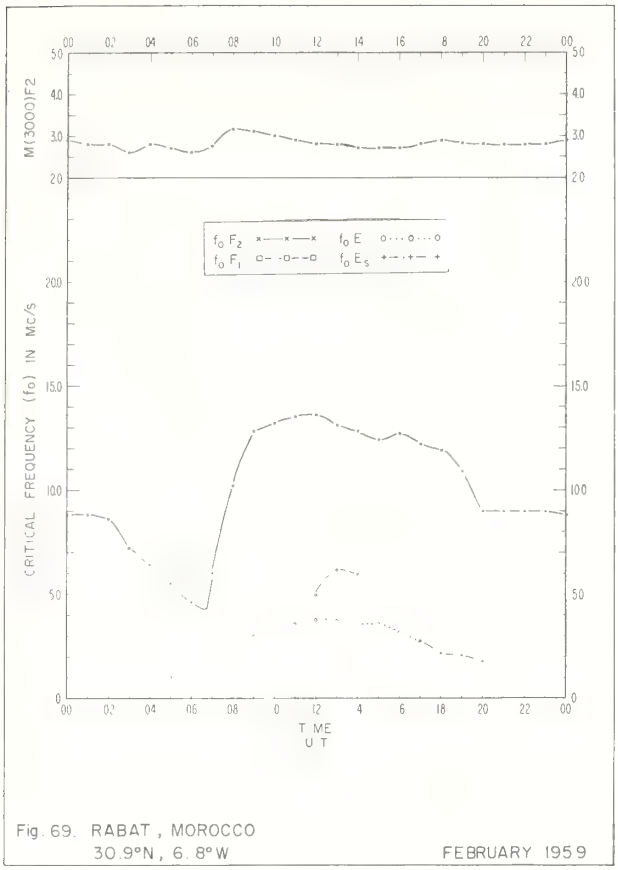

Fig. 69. RABAT, MOROCCO
30.9°N, 6.8°W
FEBRUARY 1959

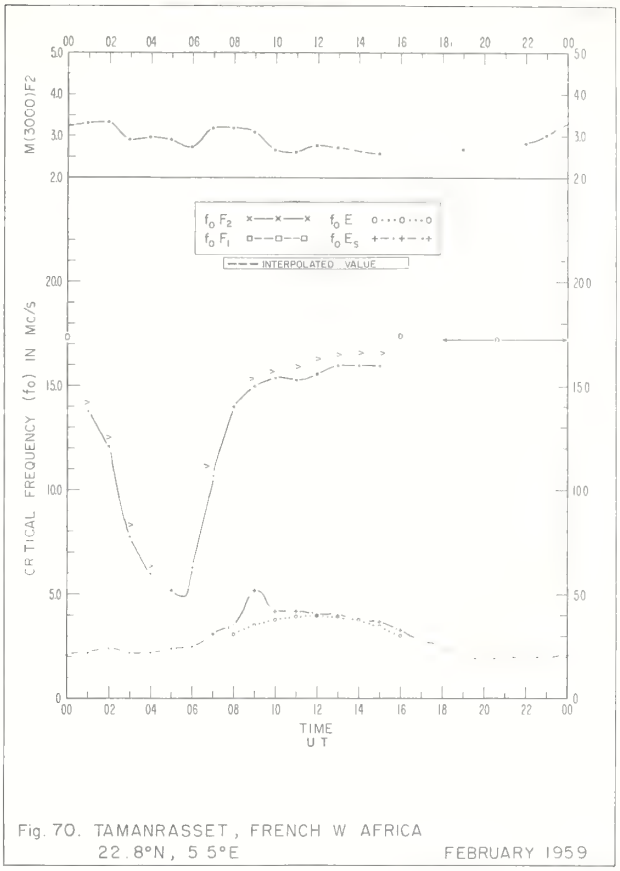

Fig. 70. TAMANRASSET, FRENCH W AFRICA
22.8°N, 5.5°E
FEBRUARY 1959

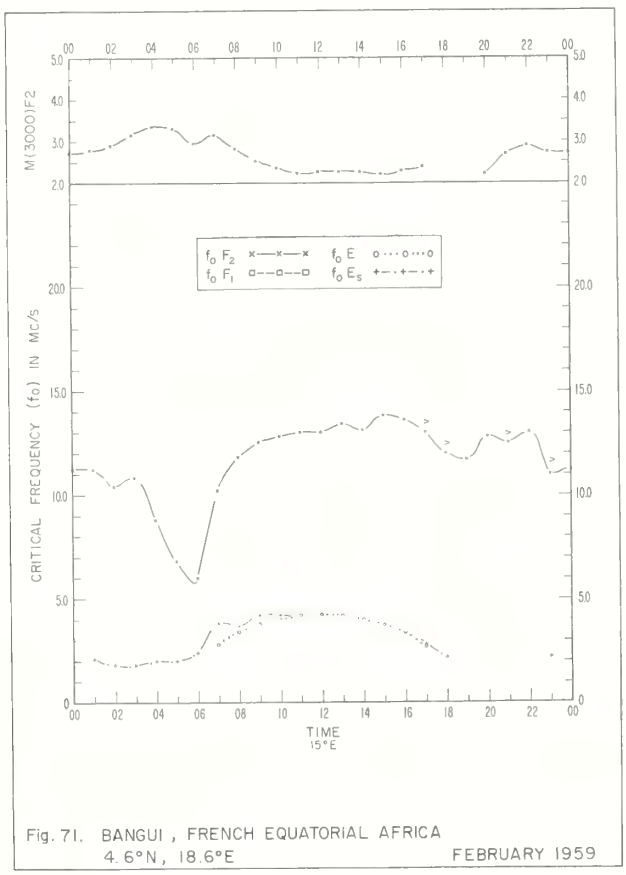

Fig. 71. BANGUI, FRENCH EQUATORIAL AFRICA
4.6°N, 18.6°E
FEBRUARY 1959

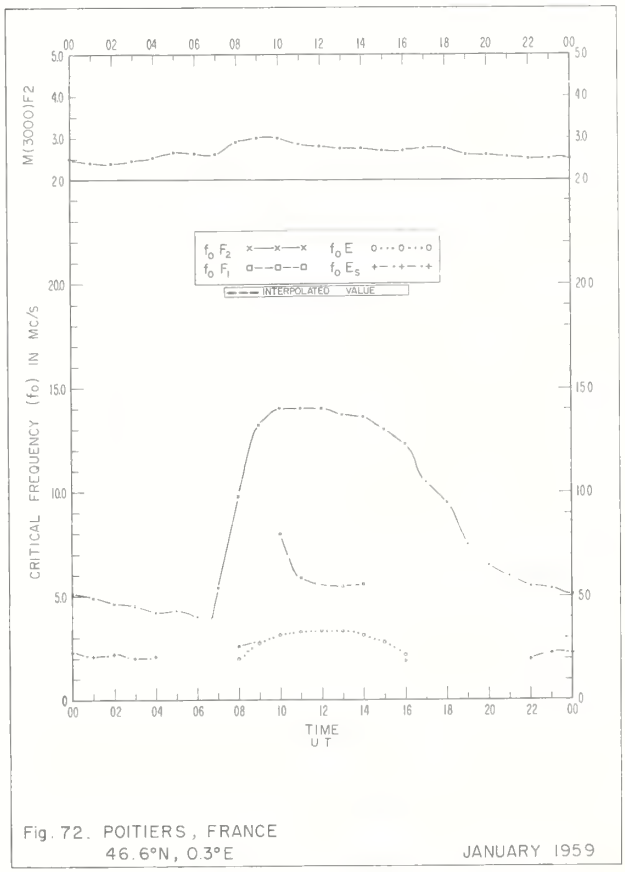

Fig. 72. POITIERS, FRANCE
46.6°N, 0.3°E
JANUARY 1959

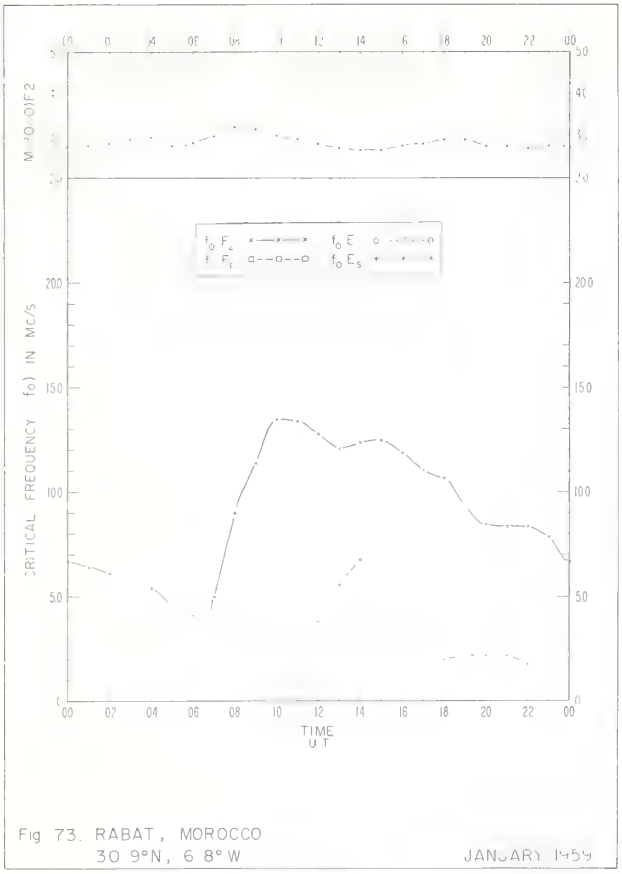

Fig 73. RABAT, MOROCCO
34.9°N, 6.8°W
JANUARY 1959

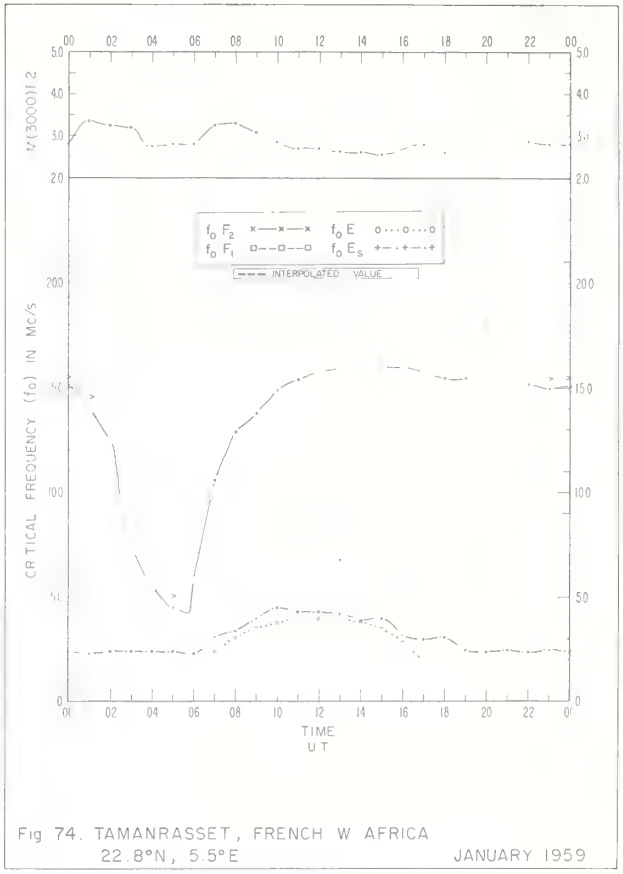

Fig 74. TAMANRASSET, FRENCH W AFRICA
22.8°N, 5.5°E
JANUARY 1959

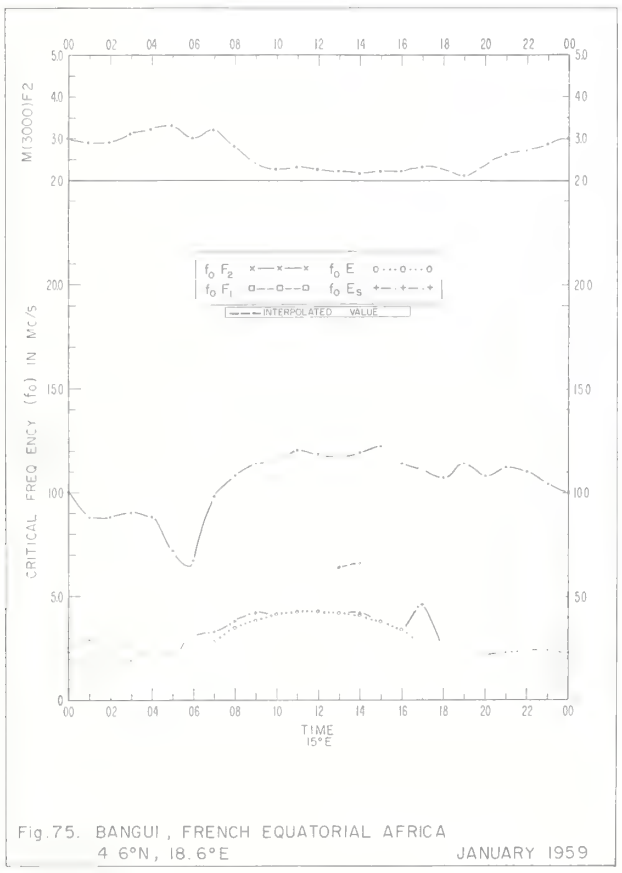

Fig.75. BANGUI, FRENCH EQUATORIAL AFRICA
4.6°N, 18.6°E
JANUARY 1959

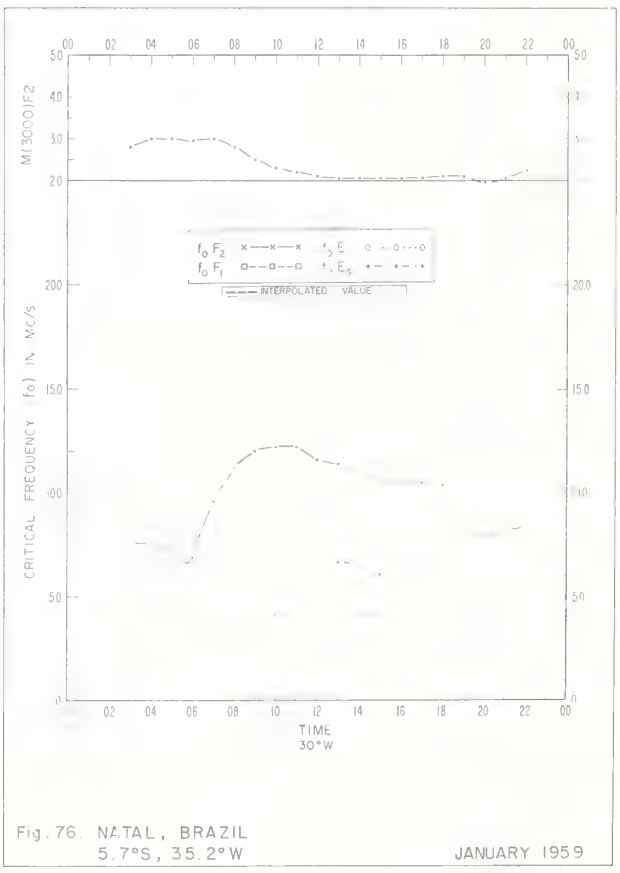

Fig.76. NATAL, BRAZIL
5.7°S, 35.2°W
JANUARY 1959

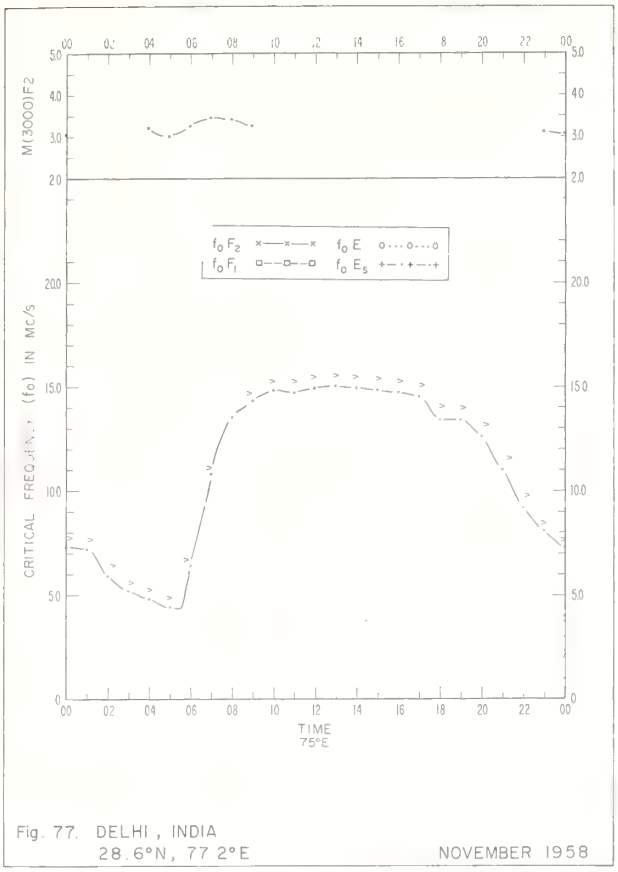

Fig. 77. DELHI, INDIA
28.6°N, 77.2°E
NOVEMBER 1958

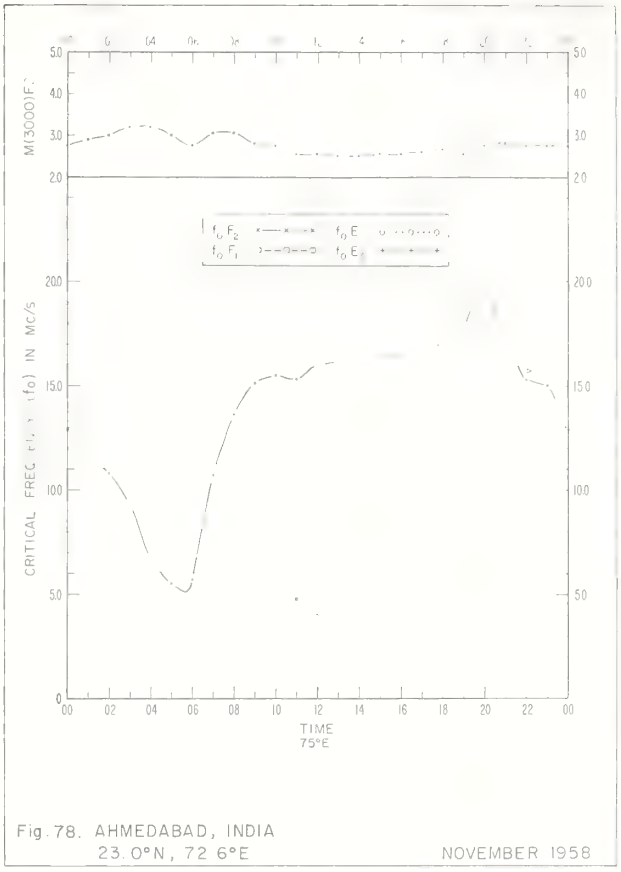

Fig. 78. AHMEDABAD, INDIA
23.0°N, 72.6°E
NOVEMBER 1958

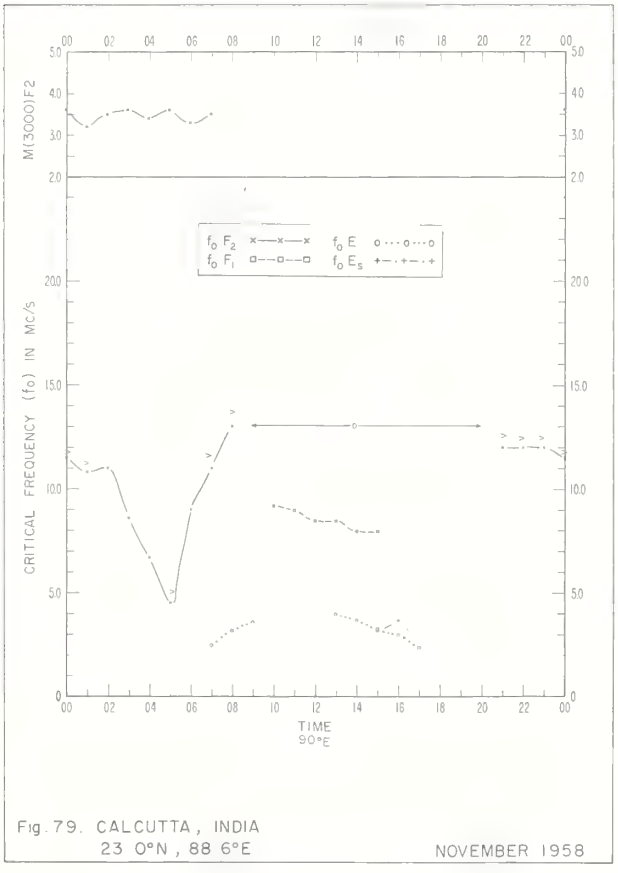

Fig. 79. CALCUTTA, INDIA
23.0°N, 88.6°E
NOVEMBER 1958

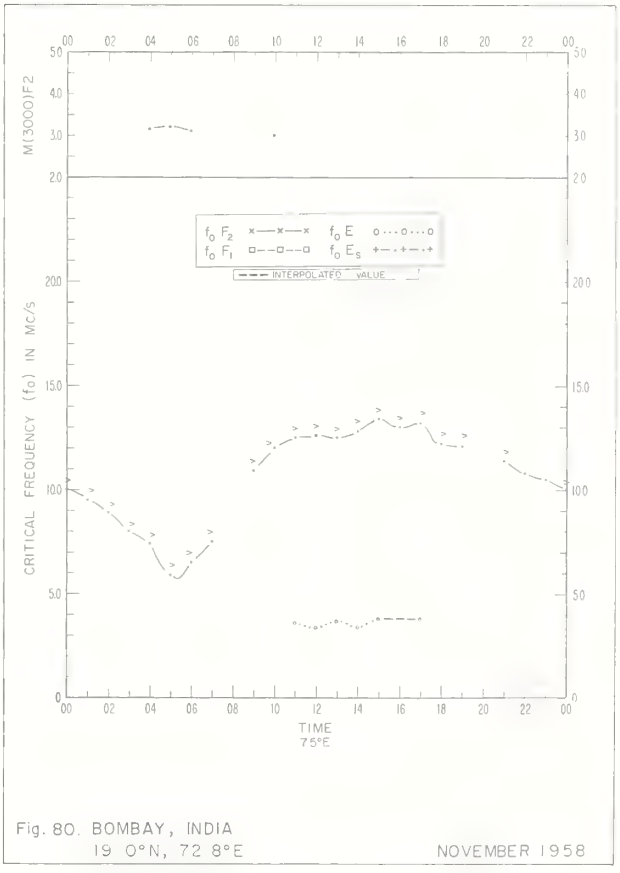

Fig. 80. BOMBAY, INDIA
19.0°N, 72.8°E
NOVEMBER 1958

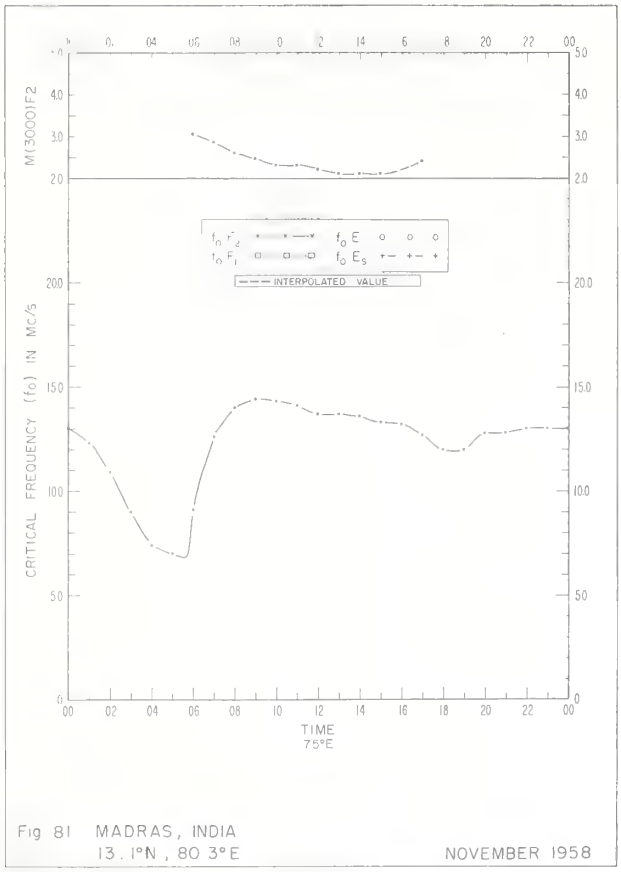

Fig 81 MADRAS, INDIA
13.1°N, 80.3°E
NOVEMBER 1958

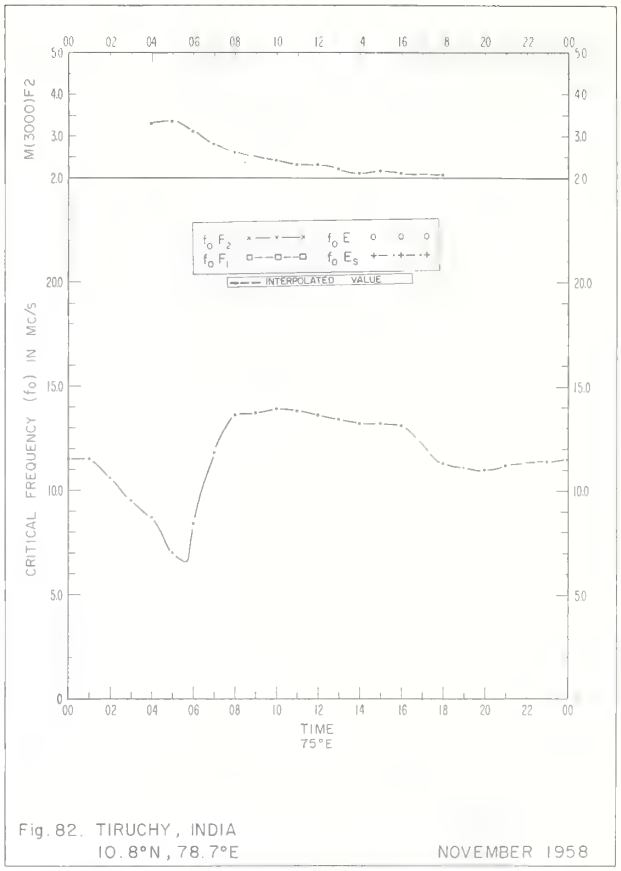

Fig. 82. TIRUCHY, INDIA
10.8°N, 78.7°E
NOVEMBER 1958

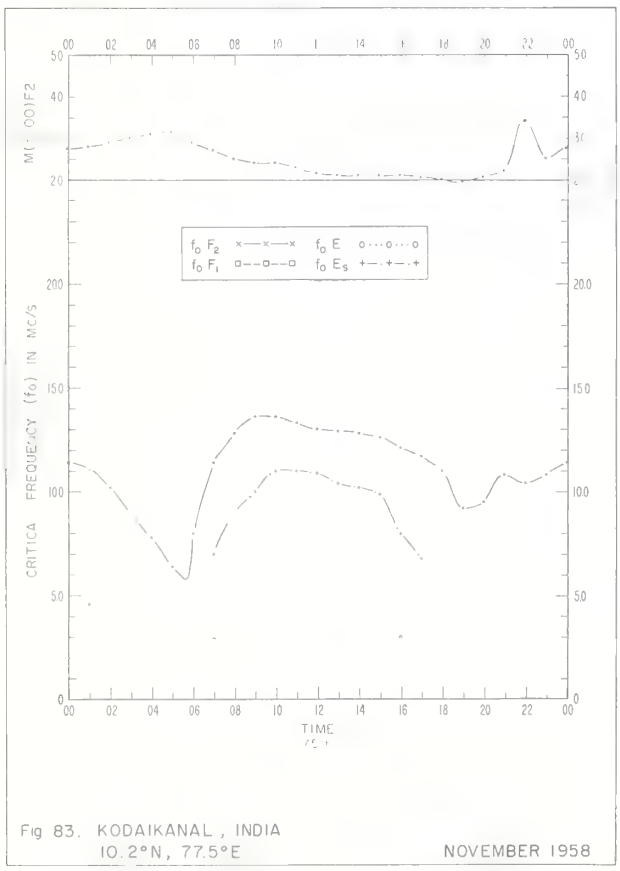

Fig 83. KODAIKANAL, INDIA
10.2°N, 77.5°E
NOVEMBER 1958

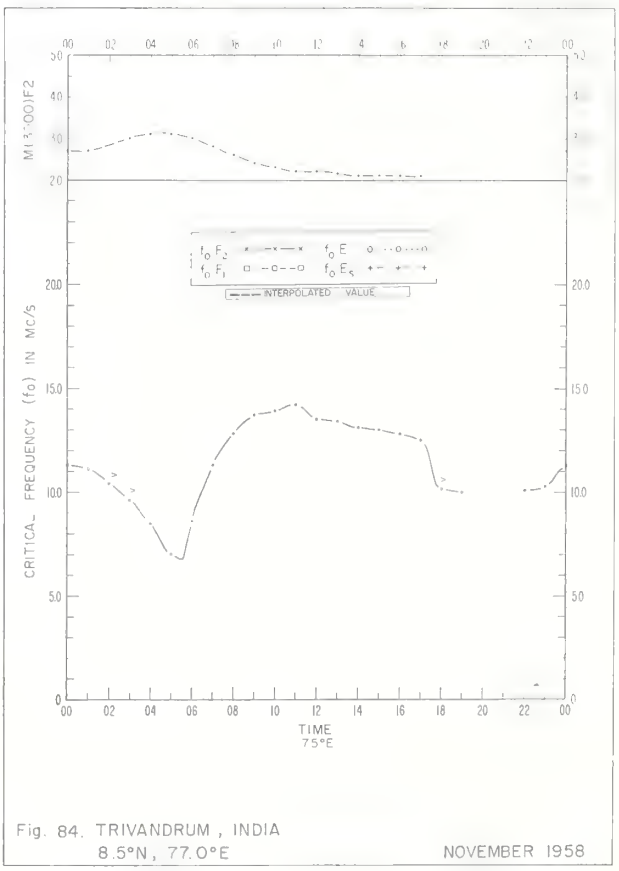

Fig. 84. TRIVANDRUM, INDIA
8.5°N, 77.0°E
NOVEMBER 1958

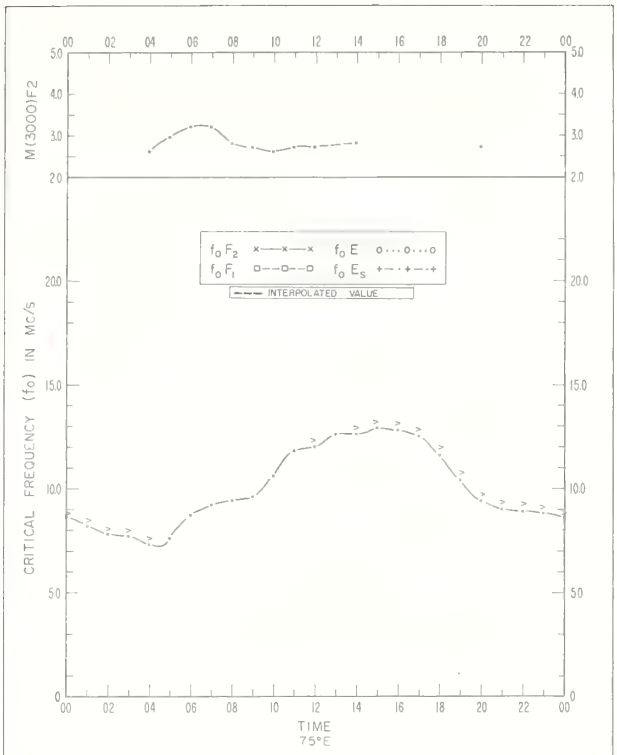

Fig 85. DELHI, INDIA
28.6°N, 77.2°E
JULY 1958

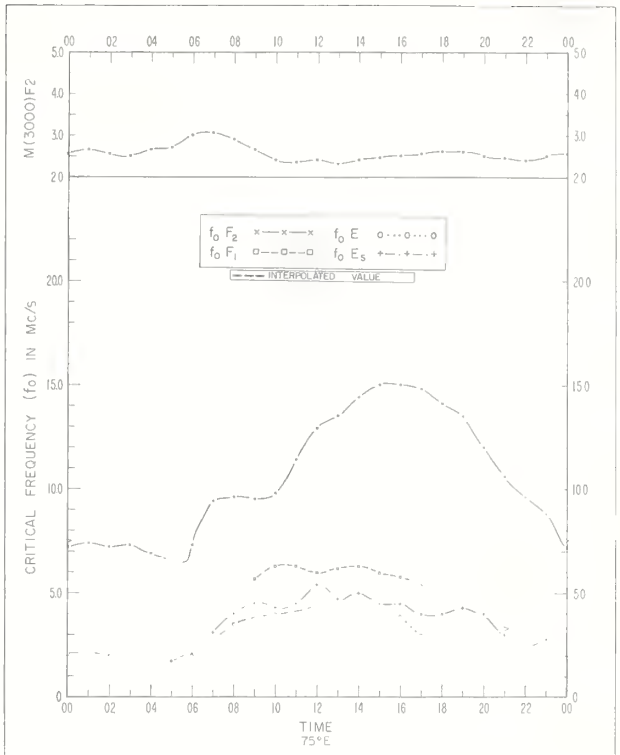

Fig 86. AHMEDABAD, INDIA
23.0°N, 72.6°E
JULY 1958

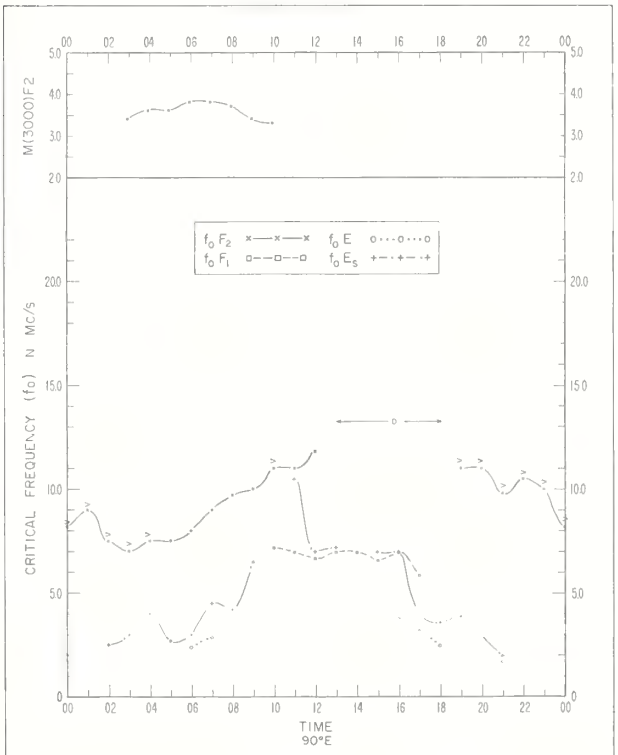

Fig. 87. CALCUTTA, INDIA
23.0°N, 88.6°E
JULY 1958

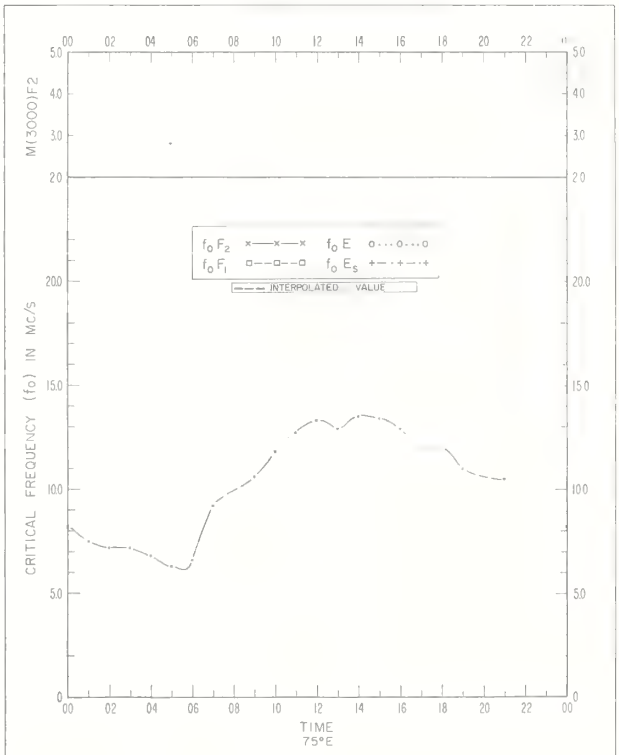

Fig 88. BOMBAY, INDIA
19.0°N, 72.8°E
JULY 1958

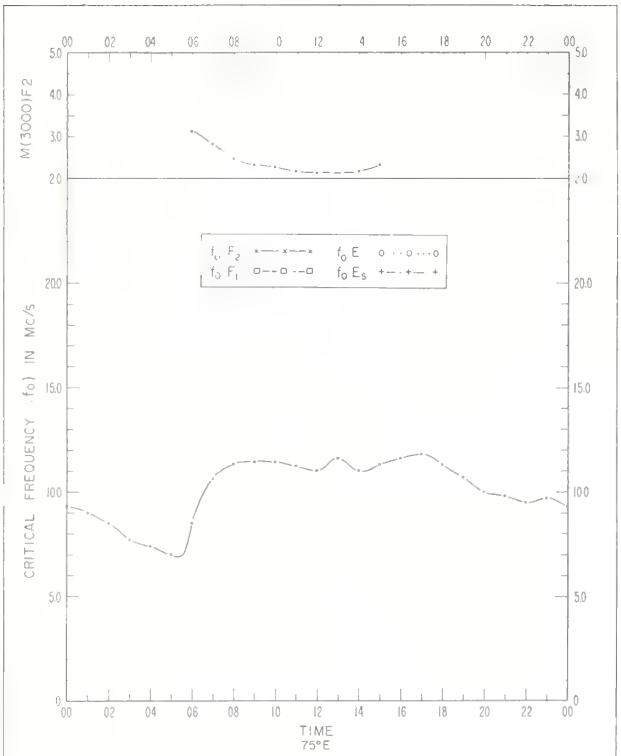

Fig. 89. MADRAS, INDIA
13.1°N, 80.3°E
JULY 1958

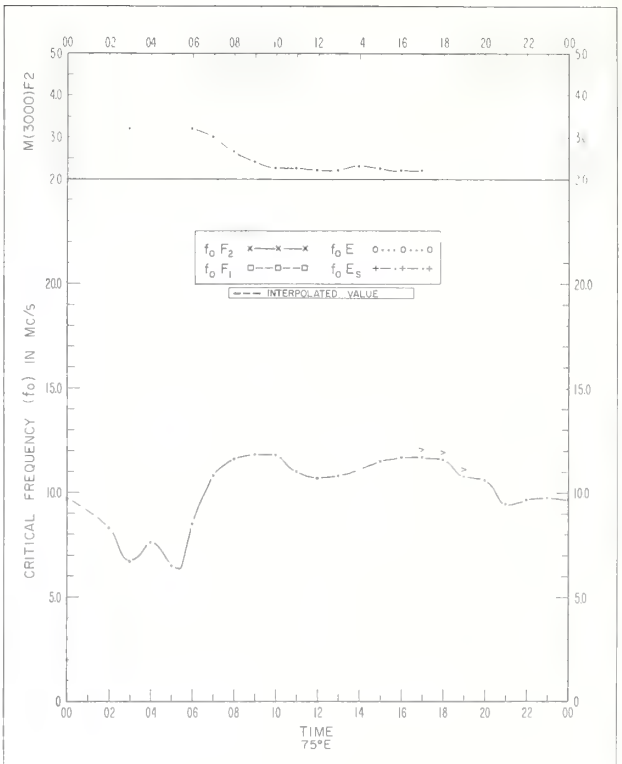

Fig. 90. TIRUCHY, INDIA
10.8°N, 78.7°E
JULY 1958

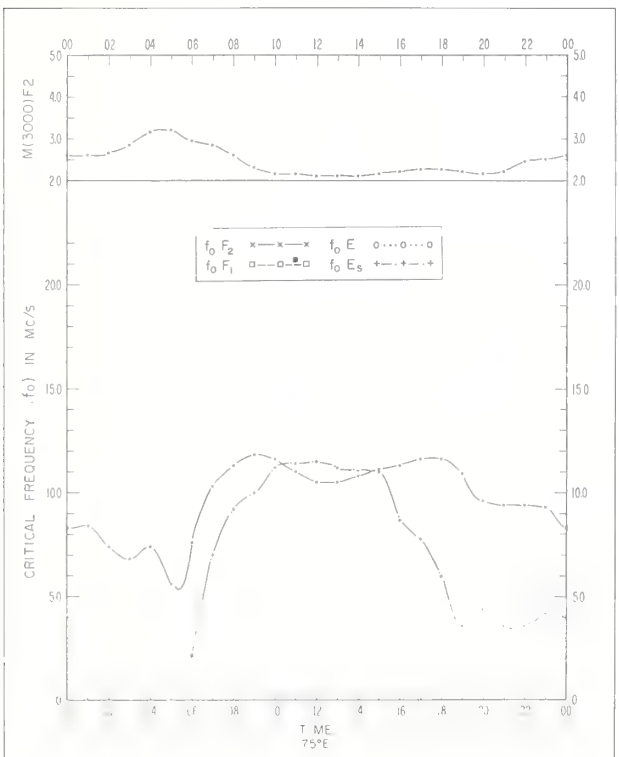

Fig. 91. KODAIKANAL, INDIA
10.2°N, 77.5°E
JULY 1958

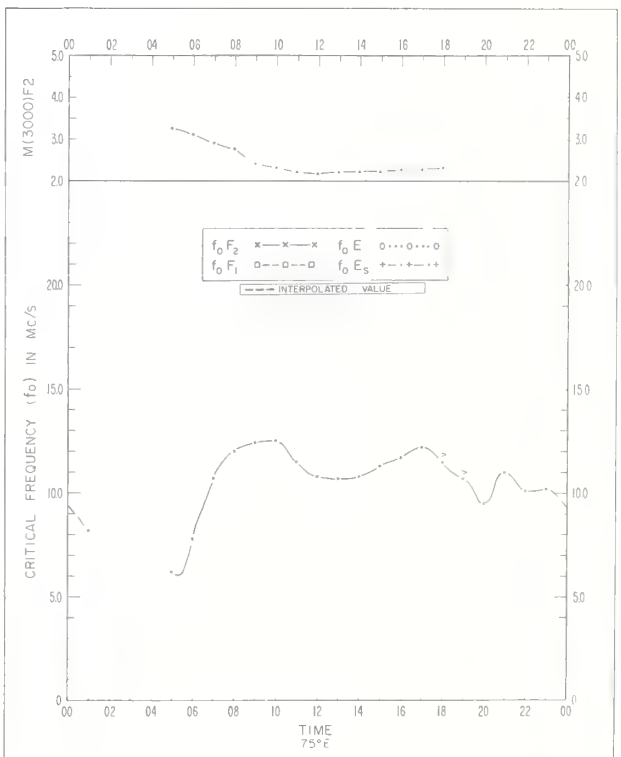

Fig. 92. TRIVANDRUM, INDIA
8.5°N, 77.0°E
JULY 1958

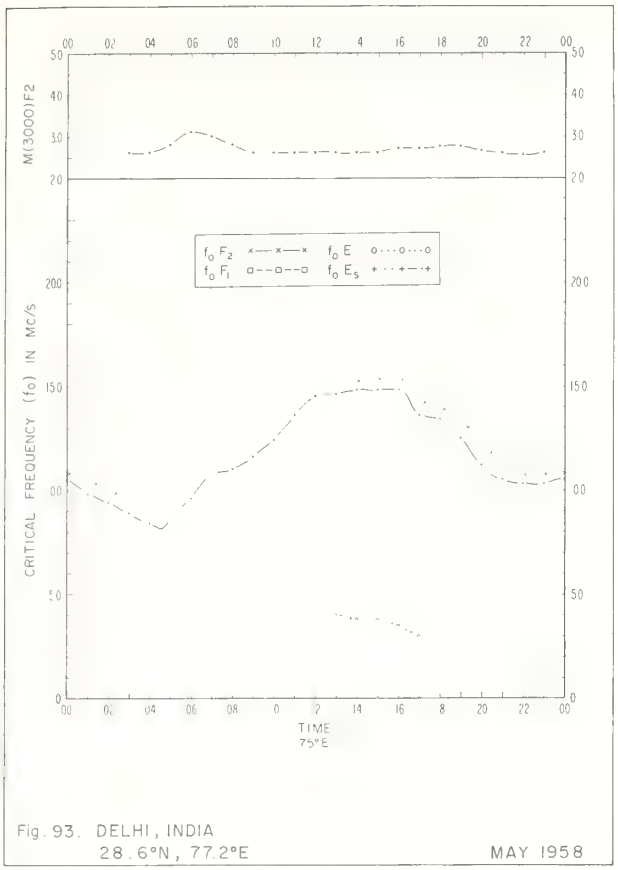

Fig. 93. DELHI, INDIA
28.6°N, 77.2°E
MAY 1958

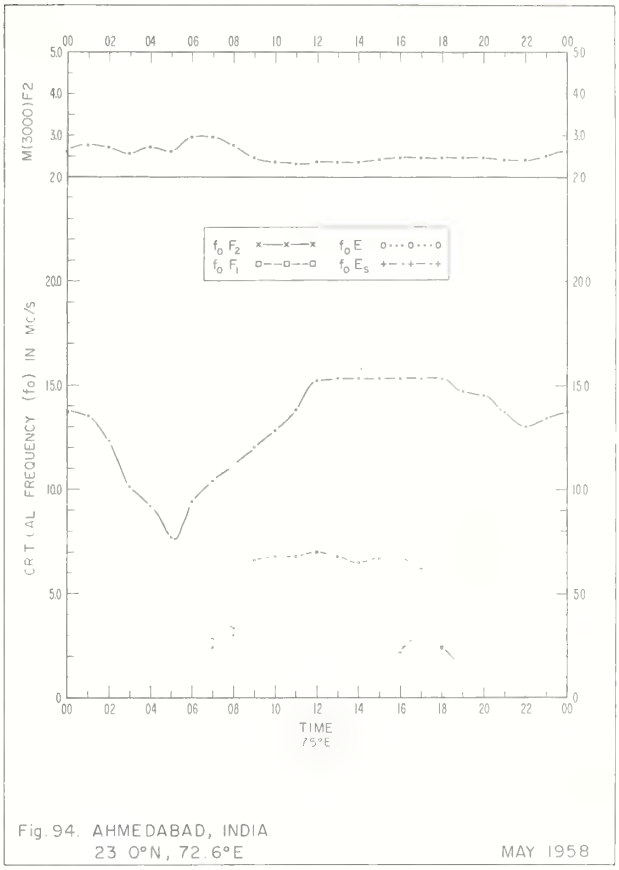

Fig. 94. AHMEDABAD, INDIA
23 0°N, 72.6°E
MAY 1958

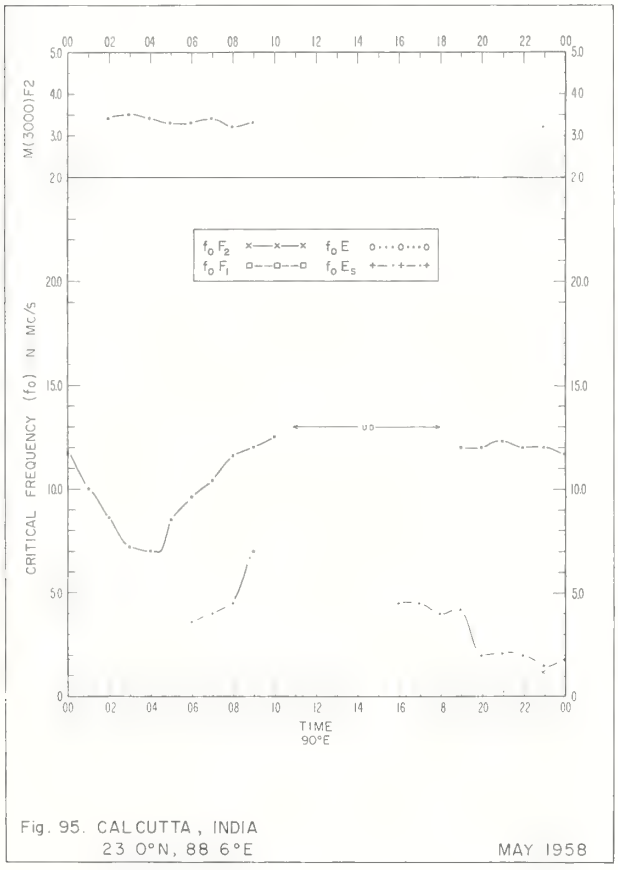

Fig. 95. CALCUTTA, INDIA
23 0°N, 88 6°E
MAY 1958

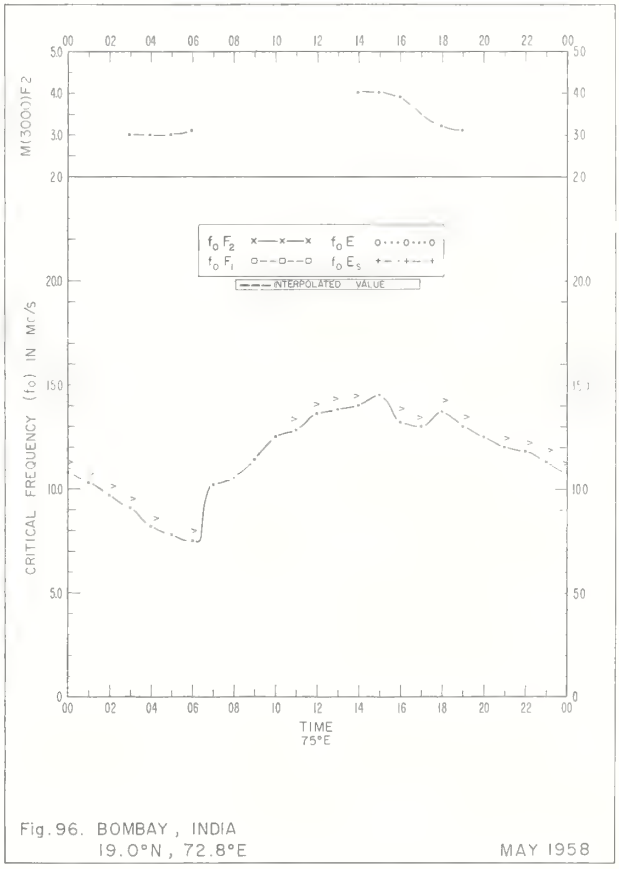

Fig. 96. BOMBAY, INDIA
19.0°N, 72.8°E
MAY 1958

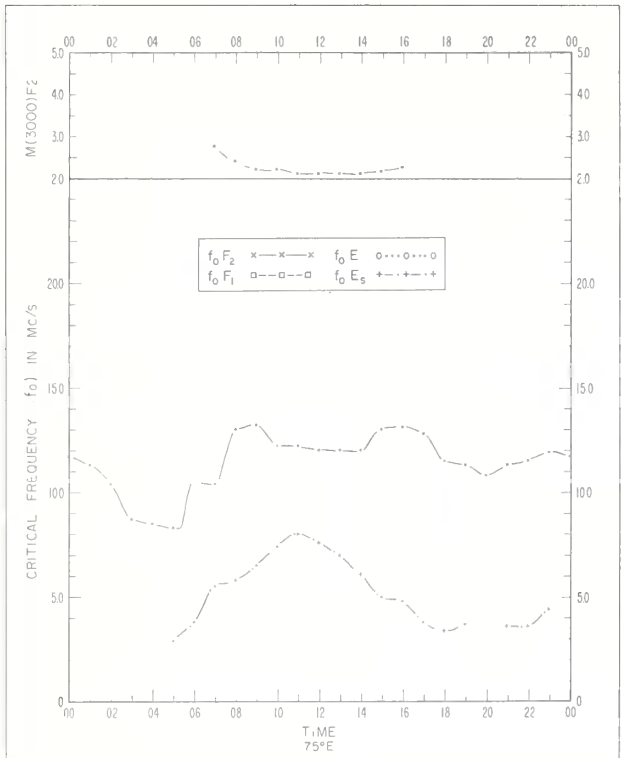

Fig 97. MADRAS, INDIA
13 1°N, 80 3°E
MAY 1958

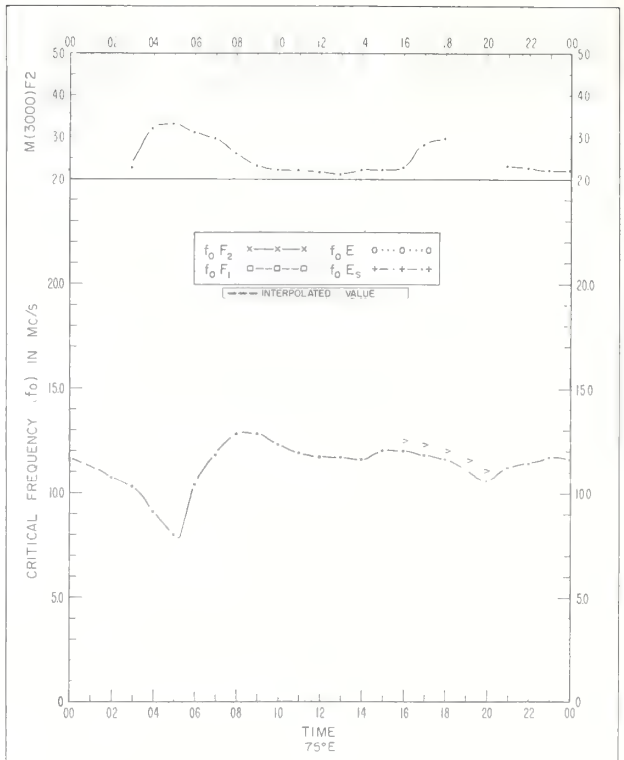

Fig. 98. TIRUCHY, INDIA
10.8°N, 78.7°E
MAY 1958

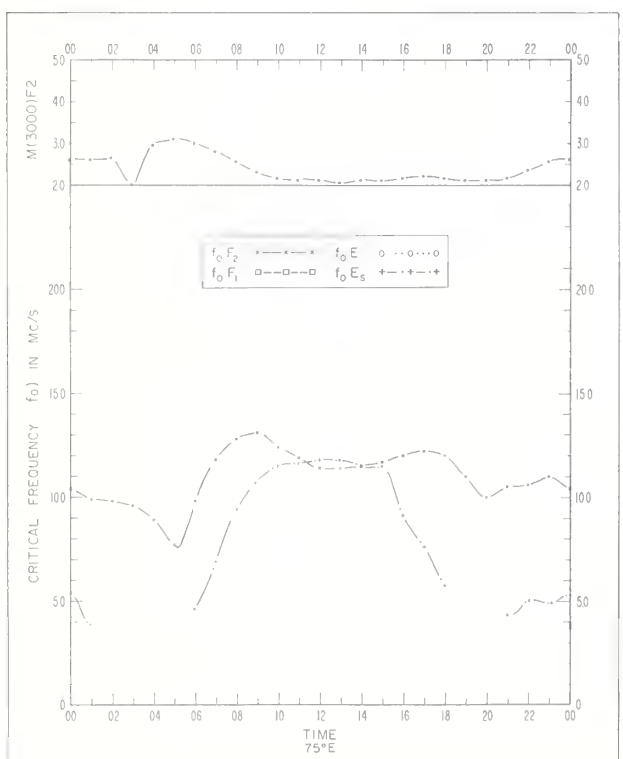

Fig 99. KODAIKANAL, INDIA
10.2°N, 77.5°E
MAY 1958

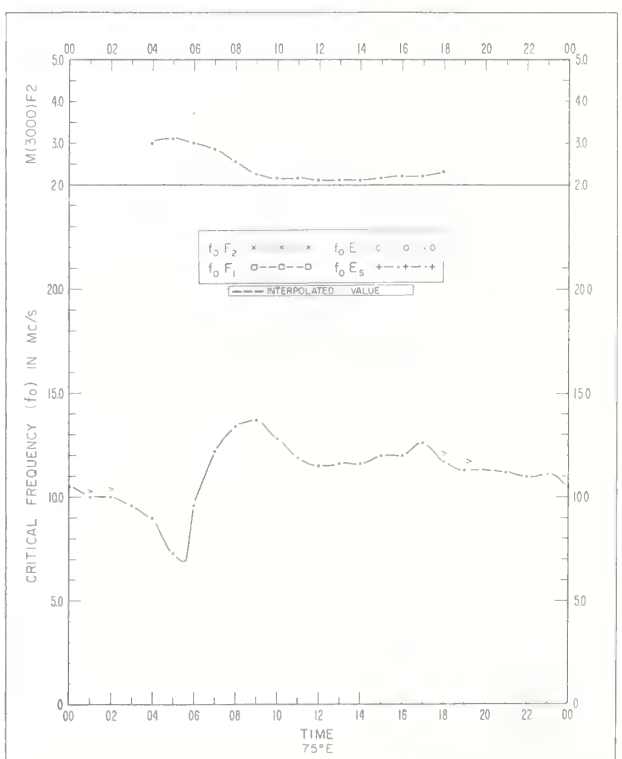

Fig. 100. TRIVANDRUM, INDIA
8.5°N, 77.0°E
MAY 1958

INDEX OF IONOSPHERIC DATA IN CRPL F222

INDEX OF IONOSPHERIC DATA IN CRPL F222

INDEX OF IONOSPHERIC DATA IN CRPL F222

INDEX OF IONOSPHERIC DATA IN CRPL F222

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